

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_
angular.module('starter.services', [])

.factory('Waratha', function (Masail,\$log) {

```
var result = {  
  asl : 1,  
  aol: 0,  
  cppcm:1,  
  tasmia:angular.noop()  
}
```

```
//var asl = 1;
```

```
//var aol = 0;
```

```
//var cppcm = 1; // لتصحيح المسألة
```

```
function nasibFroud(n1, n2) {  
  if (!angular.isDefined(n1) &&  
!angular.isDefined(n2)) {  
  
  }  
}
```

```
function getWareth(warith) {  
  if (!isNaN(warith)) {  
    return waratha[warith];  
  }  
  else {  
    for (i in waratha) {  
      if (waratha[i].mlbl == warith) {  
        return waratha[i];  
      }  
    }  
  }  
}
```

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```
    throw 'no wareth with lbl = ' + warith
```

```
  }
```

```
}
```

```
var minNasib = function (_this_) {
```

```
  var _this_ = (angular.isDefined(_this_)
```

```
? _this_ : this)
```

```
  var n =
```

```
(angular.isDefined(_this_.withMul) &&
```

```
_this_.number > 1 ? _this_.wa7dahMul :
```

```
_this_.wa7dah);
```

```
  for (j in waratha) {
```

```
    if (waratha[j].selected &&
```

```
_this_.index != waratha[j].index) {
```

```
      var tmp =
```

```
(angular.isDefined(_this_.withMul) &&
```

```
_this_.number > 1 ? _this_.withMul.charAt(j) :
```

```
_this_.with.charAt(j));
```

```
      n = (tmp < n ? tmp : n)
```

```
    }
```

```
  }
```

```
  _this_.nasib = n
```

```
  //console.log(n);
```

```
  return n;
```

```
};
```

```
//القاسم المشترك الأكبر
```

```
function gcd(a, b) {
```

```
  return b === 0 ? a : gcd(b, a % b);
```

```
}
```

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```
//المضاغف المشترك الأصغر
function lcm(a, b) {
  return Math.abs(a * b) / gcd(a, b);
}

var waratha = [
  {
    index: 0,
    mlbl: "ibn",
    lbl: 'ابن',
    wa7dah: 'l',
    gender: '1',
    selected: false,
    number: 0,
    with: 'lblccccccclllllllllllllllll',
    nasibf: minNasib,
    scope:99
  },
  {
    index: 1,
    mlbl: "bint",
    lbl: 'بنت',
    wa7dah: 'j',
    wa7dahMul: 'k',
    gender: '0',
    selected: false,
    number: 0,
    with: 'bjjjjjjjjjjjjjjjjjjjjjjjjjjj',
    withMul: 'bkkkkkkkkkkkkkkkkkkkkkkkk',
    nasibf: minNasib,

```

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scope:99

},

{

index: 2,

mlbl: "ibn ibn",

lbl: 'ابن ابن',

wa7dah: 'l',

gender: '1',

selected: false,

number: 0,

with: "aclbccccccclllllllllllllllll",

nasibf: minNasib,

scope:99

},

{

index: 3,

mlbl: "bint ibn",

lbl: 'بنت ابن',

wa7dah: 'j',

wa7dahMul: 'k',

gender: '0',

selected: false,

number: 0,

with: "afbjjjjjjjjjjjjjjjjjjjjjjjjjj",

withMul: "afbkkkkkkkkkkkkkkkkkkkkk",

scope:99,

nasibf: function () {

if (getWareth('bint').selected &&

getWareth('bint').number > 1 && !getWareth('ibn

ibn').selected) {

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```
        this.nasib = 'd'
        return 'd'

    } else {
        return minNasib(this);
    }
}
},
{
    index: 4,
    mlbl: "zouj",
    lbl: 'زوج',
    wa7dah: 'j',
    selected: false,
    number: 0,
    with: "hhhhjxjjjjjjjjjjjjjjjjjjjjjjjjjjjjjj",
    scope:1,
    nasibf: function(){

        waratha[5].number = 0
        waratha[5].selected = false
        waratha[5].desable = true;//تعطيل خيار

        return minNasib(this);
    }
},
{
    index: 5,
    mlbl: "zouja",
    lbl: 'زوجة',
```

الزوجة

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```
wa7dah: 'h',
selected: false,
number: 0,
with: "eeeexhhhhhhhhhhhhhhhhhhhh",
scope:4,
nasibf: function(){
  waratha[4].number = 0
  waratha[4].selected = false
  waratha[4].desable = true;//تعطيل خيار
```

الزوج

```
return minNasib(this)
}
```

```
},
```

```
{
```

```
index: 6,
mlb1: "abb",
lb1: 'أب',
wa7dah: '1',
gender: '1',
selected: false,
number: 0,
with: "fcfccclcllclllllllllllllll",
scope:1,
```

```
nasibf: function () {
  if (Masail.getMasala('العمرية
```

```
1').validate(waratha)
```

```
|| Masail.getMasala('العمرية
```

```
2').validate(waratha)) {//إذا كانت مسألة عمرية
```

```
  this.nasib = 'm'
```

```
  return 'm'; //ثلاثي الباقي
```

```
} else if (getWareth('ibn').selected
```

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```
    || getWareth('ibn  
ibn').selected) { // تجنب حصول الأب على الباقي مع الابن او ابن  
ابن
```

```
        this.nasib = 'f'  
        return 'f'  
    } else {  
        return minNasib(this)  
    }  
}
```

```
},  
{
```

```
    index: 7,  
    mlbl: "omm",  
    lbl: 'أم',  
    wa7dah: 'i',  
    selected: false,  
    number: 0,  
    with: "ffffiiiiiiiiiiiiiiiiiiiiiii",  
    scope:1,  
    nasibf: function () {
```

```
        if (Masail.getMasala('العمرية  
1').validate(waratha)
```

```
            || Masail.getMasala('العمرية  
2').validate(waratha)) { // اذا كانه مسألة عمرية
```

```
                this.nasib = 'n'  
                return 'n'; // الثلث اباقي
```

```
    }
```

```
    // تأخذ الأم السدس اذا كان عدد الاخوة (اثنان فأكثر  
    // ذكورا كانوا أو إناثا أو مختلفين من أي جهة كانوا (اشقاء او
```

(لأب أو لأم)

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//لقوله تعالى (فان كان له اخوة فلأمه السدس)

```
else if (getWareth('akh
```

```
chak').number
```

```
+ getWareth('okht chak').number
```

```
+ getWareth('akh abb').number
```

```
+ getWareth('okht abb').number
```

```
+ getWareth('akh or okhet
```

```
omm').number > 1) {
```

```
    this.nasib = 'f';
```

```
    return 'f' //السدس
```

```
  }
```

```
  else {
```

```
    return minNasib(this)
```

```
  }
```

```
 }
```

```
 },
```

```
 {
```

```
   index: 8,
```

```
   mlbl: "jad",
```

```
   lbl: 'جد',
```

```
   wa7dah: '1',
```

```
   gender: '1',
```

```
   selected: false,
```

```
   number: 0,
```

```
   with: "fcfcccaclccbbbbb1111111111",
```

```
   scope:1,
```

```
   nasibf: function () {
```

```
     return minNasib(this)
```

```
   }
```

```
 },
```


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```
{
  index: 9,
  mlbl: "jada abb",
  lbl: 'جدة لأب',
  wa7dah: 'f',
  selected: false,
  number: 0,
  with: "ffffffaaffpfffffffffffffff",
  scope:1,
  nasibf: function () {
    if (getWareth('jada omm').selected
      && !getWareth('abb').selected
      && !getWareth('omm').selected) {
      this.nasib = 's'
      return 's'
    }
    return minNasib(this)
  }
},
{
  index: 10,
  mlbl: "jada omm",
  lbl: 'جدة لأم',
  wa7dah: 'f',
  selected: false,
  number: 0,
  with: "fffffffafpfffffffffffffff",
  scope:1,
  nasibf: function () {
    if (getWareth('jada abb').selected
      && !getWareth('abb').selected
```

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```
        && !getWareth('omm').selected) {
            this.nasib = 't'
            return 't'
        }
        return minNasib(this)
    }
},
{
    index: 11,
    mlbl: "akh chak",
    lbl: 'أخ شقيق',
    wa7dah: 'l',
    gender: '1',
    selected: false,
    number: 0,
    with: "acaccacccclbl1lc11111111",
    nasibf: minNasib,
    scope:99
},
{
    index: 12,
    mlbl: "okht chak",
    lbl: 'أخت شقيقة',
    wa7dah: 'j',
    wa7dahMul: 'k',
    gender: '0',
    selected: false,
    number: 0,
    with: "acacjjajjjjbjjjjjjjjjjjjjj",
    withMul: "acackkakkkkkbkkkkkkkkkkkk",
    nasibf: minNasib,
```

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```
scope:99
},
{
  index: 13,
  mlbl: "akh abb",
  lbl: 'أخ لأب',
  wa7dah: 'l',
  gender: '1',
  selected: false,
  number: 0,
  with: "acaccacccccac1bc11111111",
  nasibf: minNasib,
  scope:99
},
{
  index: 14,
  mlbl: "okht abb",
  lbl: 'أخت لأب',
  wa7dah: 'j',
  wa7dahMul: 'k',
  gender: '0',
  selected: false,
  number: 0,
  with: "acacjjajjjjafbjjjjjjjjjj",
  withMul: "acackkakkkkafbkkkkkkkkkk",
  scope:99,
  nasibf: function () {
```

```
    if (getWareth('okht chak').number >
```

1

```
        && !getWareth('akh
```

```
        Pge p
```

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```
abb').selected
        && !getWareth('abb').selected
        && !getWareth('akh
chak').selected
        && !getWareth('ibn').selected
        && !getWareth('ibn
ibn').selected) {
        this.nasib = 'd'
        return 'd'
    }
    return minNasib(this)
}
},
{
    index: 15,
    mlb1: "akh or okhet omm",
    lb1: 'أخت / أخ',
    wa7dah: 'f',
    wa7dahMul: 'i',
    gender: '1',
    selected: false,
    number: 0,
    with: "aaaaffafaffffffffffffffffff",
    withMul: "aaaaiiaiaiiiiiiiiiiiiiiii",
    nasibf: minNasib,
    scope:99
},
{
    index: 16,
    mlb1: "ibn akh chak",
    lb1: 'ابن أخ شقيق',
```

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```
    wa7dah: '1',
    gender: '1',
    selected: false,
    number: 0,
    with: "acaccacaccacaccl11111111",
    nasibf: minNasib,
    scope:99
  },
  {
    index: 17,
    m1b1: "ibn akh abb",
    l1b1: 'إبن أخ لأب',
    wa7dah: '1',
    gender: '1',
    selected: false,
    number: 0,
    with: "acaccacaccacacca11111111",
    nasibf: minNasib,
    scope:99
  },
  {
    index: 18,
    m1b1: "amm chak",
    l1b1: 'عم شقيق',
    wa7dah: '1',
    gender: '1',
    selected: false,
    number: 0,
    with: "acaccacaccacacca11111111",
    nasibf: minNasib,
    scope:99
```

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```
  },
  {
    index: 19,
    mlb1: "amm abb",
    lbl: 'عم لأب',
    wa7dah: '1',
    gender: '1',
    selected: false,
    number: 0,
    with: "acaccacaccacaccaaalllll",
    nasibf: minNasib,
    scope:99
  },
  {
    index: 20,
    mlb1: "ibn amm chak",
    lbl: 'ابن عم شقيق',
    wa7dah: '1',
    gender: '1',
    selected: false,
    number: 0,
    with: "acaccacaccacaccaaallll",
    nasibf: minNasib,
    scope:99
  },
  {
    index: 21,
    mlb1: "ibn amm abb",
    lbl: 'ابن عم لأب',
    wa7dah: '1',
    gender: '1',
```

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```
    selected: false,  
    number: 0,  
    with: "acacccacaccacaccaaalll",  
    nasibf: minNasib,  
    scope:99  
  }  
]
```

```
function clacRad(w,xtot){
```

```
    var some = Number(w[1].sahem)  
        + Number(w[3].sahem)+  
Number(w[4].sahem)+ Number(w[5].sahem)  
        + Number(w[7].sahem)+  
Number(w[9].sahem)+ Number(w[10].sahem)  
        + Number(w[12].sahem)+  
Number(w[13].sahem)+ Number(w[14].sahem)  
        + Number(w[15].sahem)+  
Number(w[16].sahem);
```

```
    var sihamAshabFouroud =  
[Number(w[1].sahem),Number(w[3].sahem),Number(w[4].sahem),  
Number(w[5].sahem),Number(w[7].sahem),  
Number(w[9].sahem),Number(w[10].sahem),
```

```
Number(w[12].sahem),Number(w[13].sahem),Number(w[14].sahem),  
Number(w[15].sahem),Number(w[16].sahem)];
```

```
    // حساب الردّ
```

```
    if(some < result.cppcm //بقاء فائض من التركة  
        //ولا يوجد من يرث بالتعصيب
```

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```
&&!w[0].selected  
&&!w[2].selected  
&&!w[6].selected  
&&!w[8].selected  
&&!w[11].selected  
&&!w[16].selected  
&&!w[17].selected  
&&!w[18].selected  
&&!w[19].selected  
&&!w[20].selected  
&&!w[21].selected){
```

```
if(!w[4].selected && !w[5].selected){
```

```
// من دون وجود الزوجين
```

```
$log.debug('ردّ دون وجود احد الزوجين')  
$log.debug('الرد الى '  
+ some)
```

```
var sahem = -1; // IF sahem = -2
```

```
THEN اصحاب فرض واحدة ELSE اصحاب فرض متعددة
```

```
for(var i = 0; i <  
sihamAshabFouroud.length; i++){  
if(sahem != -1){  
if(sihamAshabFouroud[i] != sahem  
&& sihamAshabFouroud[i] != 0){  
sahem = -2;  
break;  
}  
}  
if(sihamAshabFouroud[i] != 0){  
sahem = sihamAshabFouroud[i];
```


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```
    }
  }

  if(sahem == -2){
    $log.debug('أصحاب فروض متعددة');
  }else{
    $log.debug('أصحاب فرض واحد');
  }
}else{ // وجود الزوجين
  $log.debug('ردّ في وجود احد الزوجين')
}

}
}
return {

  all: function () {
    return waratha
  },
  setWareth: function (wareth, num) {
    this.getWareth(wareth).number = num;
    this.getWareth(wareth).selected =
true;
  },
  getWareth: getWareth,
  calc2: function () {
    $log.debug("calc");
    waratha[8].lblnasib = null
    waratha[4].desable = false;
    waratha[5].desable = false;
    var jad = false;

```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
var empty = 0;
result.tasmia = angular.noop();

// متغير منطقي : هل المسألة فيها رد أم لا
result.isRad = false;

for (var i in waratha) {
    if (waratha[i].number == 0 ||
!waratha[i].selected){
        waratha[i].selected = false
        waratha[i].number = 0
        waratha[i].sahem = 0

        empty++
    }

    if(empty === 22)
        return;

    if (waratha[i].selected) {
        waratha[i].nasibf()
    }

    // ارفاق كل نصيب بمقامه
    switch (waratha[i].nasib) {
        case 'e':waratha[i].makam =
8;break;//الثمن
        case 'f':waratha[i].makam =
6;break;//السدس
        case 'h':waratha[i].makam =
```

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```
4;break;//الربع
        case 'i':waratha[i].makam =
3;break;//الثالث
        case 'j':waratha[i].makam =
2;break;//النصف
        case 'k':waratha[i].makam =
3;break;//الثالثان
        case 's':waratha[i].makam =
12;break;//السدس مع ام الأم
        case 't':waratha[i].makam =
12;break;//السدس مع ام الأب
        default :waratha[i].makam =
1;break;// ليس من أصحاب الفروض
    }
}

//الحالات الخاصة الجد مع الأخوة
if (waratha[8].selected &&
!waratha[6].selected) {//لايوجد أب
    var frere = (waratha[11].number +
waratha[13].number) *2+waratha[12].number +
waratha[14].number
    if(waratha[0].selected ||
waratha[2].selected){//وجود الابن او ابن ابن
        waratha[8].nasib = 'f'
        waratha[8].makam = 6
    }
    else //حالا الجد في غياب الابن وابن ابن
        if(waratha[11].selected ||
waratha[12].selected || waratha[13].selected ||
waratha[14].selected){
```

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```
var jam = 0
for(var i in waratha)
    if(waratha[i].selected &&
waratha[i].makam != 1 && i != 12 && i != 14) jam
+= 1 / waratha[i].makam
```

```
//console.log("jam", jam);
```

```
switch (jam){
```

```
case 0://غياب أصحاب الفروض
```

```
if(frere == 4){
```

```
waratha[8].lblnasib = 'الثث
```

'أو المقاسمة

```
waratha[8].nasib = 'i'
```

```
waratha[8].makam = 3
```

```
}else
```

```
if(frere > 4){
```

```
waratha[8].nasib = 'i'
```

```
waratha[8].makam = 3
```

```
}
```

```
if (!waratha[11].selected &&
```

```
waratha[12].number >1 && waratha[12].nasib ==
```

```
'b') {
```

```
waratha[12].nasib = 'k'
```

```
waratha[8].makam = 3
```

```
if(waratha[13].selected){ waratha[13].sahem =
0;waratha[13].nasib = 'd'}
```

```
if(waratha[14].selected){ waratha[14].sahem =
0;waratha[14].nasib = 'd'}
```

```
}
```

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```
break;
case 1/4:case 1/6:case 1/4+1/6:
    if(frere ==
4){waratha[8].lbnasib = 'ثلث الباقي أو المقاسمة';
waratha[8].nasib = 'n';
        waratha[8].makam = 1; jad =
true
    }
    if(frere > 4){waratha[8].nasib
= 'n'; waratha[8].makam = 1;jad = true;}
    break;
case 1/2:
    if(frere ==
4){waratha[8].lbnasib = 'السدس أو المقاسمة';waratha
[8].nasib = 'f';waratha[8].makam = 6}
        if(frere > 4){waratha[8].nasib
= 'f';waratha[8].makam = 6}
        break;
case 1/2+1/6:case 1/2+1/8:case
2/3:
        if(frere > 2){waratha[8].nasib
= 'f';waratha[8].makam = 6}
        break;
case 1/2+1/4:
        if(frere > 1){waratha[8].nasib
= 'f';waratha[8].makam = 6}
        break;
case 1/3 +1/4:
        if(frere ==
2){waratha[8].lbnasib = 'السدس أو المقاسمة';
waratha[8].nasib = 'f';waratha[8].makam = 6}
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
        if(frere > 2){waratha
[8].nasib = 'f';waratha[8].makam = 6}
        break;
        default :
            if(jam >
1/3+1/4){waratha[8].nasib = 'f';waratha[8].makam
= 6}
            }
            if(waratha[8].nasib == 'b') jad =
true
        }
    }
```

```
        if(jad && (waratha[11].selected ||
waratha[12].selected || waratha[13].selected ||
waratha[14].selected)){
```

```
            if (waratha[8].nasib == 'b') {
```

```
if(waratha[11].selected){waratha[11].nasib =
'b';waratha[11].makam = 1}
```

```
if(waratha[12].selected){waratha[12].nasib =
'b';waratha[12].makam = 1}
```

```
            if(waratha[13].selected &&
!waratha[11].selected){waratha[13].nasib =
'b';waratha[13].makam = 1}
```

```
            if(waratha[14].selected &&
!waratha[11].selected){waratha[14].nasib =
'b';waratha[14].makam = 1}
```

```
        }
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_
}

```
//console.log("الجد", waratha[8].nasib);  
//console.log("الأخت الشقيقة",  
waratha[12].nasib);  
//تأصيل  
var lcmValue = 1;  
for (var i in waratha) {  
    if(waratha[i].selected)  
        lcmValue = lcm(waratha[i].makam,  
lcmValue)  
}  
//console.log('result.asl',lcmValue);  
result.asl = lcmValue;  
result.cppcm = result.asl;  
  
var xtot = 0 //مجموع أسهم أصحاب الفروض  
for (var i in waratha) { //جمع أسهم أصحاب  
الفروض  
    if (waratha[i].selected /*&& !(jad  
&& i == 12)*/) {  
  
        if (waratha[i].makam != 1) { // إذا  
كان صاحب فرض  
            if (waratha[i].nasib ==  
'k') //الثلاثان  
                waratha[i].sahem =  
result.cppcm * 2 / 3  
            else  
                waratha[i].sahem =  
result.cppcm / waratha[i].makam  
Pge p
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
    } else { // عاصب
        waratha[i].sahem = 0
    }

    if (waratha[i] == '1')//كل المال
        waratha[i].sahem = 1

    xtot += waratha[i].sahem

}
}

//console.log('result.cppcm
',result.cppcm)
//console.log('xtot',xtot);
//اعطاء الأب او الجد السدس اذا نقص الباقي عن السدس
if (getWareth('abb').selected &&
getWareth('abb').nasib == 'c' && result.cppcm -
xtot <= result.cppcm / 6) {
    $log.debug('السدس للأب ');
    getWareth('abb').nasib = 'f' //السدس
    getWareth('abb').makam = 6;
    getWareth('abb').sahem =
result.cppcm / 6
    xtot += result.cppcm / 6
}

if(getWareth('jad').selected &&
getWareth('jad').nasib == 'c' && result.cppcm -
xtot <= result.cppcm / 6){
```


FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
getWareth('jad').nasib = 'f' //السدس
getWareth('jad').makam = 6;
getWareth('jad').sahem =
result.cppcm / 6
xtot += result.cppcm / 6
}

//تجنب الباقي مرتين
if(!jad
    && (getWareth('okht chak').selected
&& getWareth('okht chak').nasib == 'c')
    || (getWareth('okht
abb').selected && getWareth('okht abb').nasib ==
'c')
    && (waratha[13].selected //إخ لأب
        || waratha[14].selected //أخت لأب
        || waratha[16].selected //ابن أخ لأب
        || waratha[17].selected //
        || waratha[18].selected // عم شقيق
        || waratha[19].selected // عم لأب
        || waratha[20].selected //ابن عم
شقيق
        || waratha[21].selected))//ابن عم
لأب
{
    if(waratha[13].selected &&
(waratha[13].nasib == 'c' || waratha[13].nasib
== 'b')){ waratha[13].nasib =
'd';waratha[13].sahem = 0}
    if(waratha[14].selected &&
(waratha[14].nasib == 'c' || waratha[14].nasib
```

```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_
== 'b') && waratha[12].selected){
waratha[14].nasib = 'd';waratha[14].sahem = 0}
    if(waratha[16].selected &&
waratha[16].nasib == 'c'){waratha[16].nasib =
'd'; waratha[16].sahem = 0}
        if(waratha[17].selected &&
waratha[16].nasib == 'c'){waratha[17].nasib =
'd'; waratha[17].sahem = 0}
            if(waratha[18].selected &&
waratha[16].nasib == 'c'){waratha[18].nasib =
'd'; waratha[18].sahem = 0}
                if(waratha[19].selected &&
waratha[16].nasib == 'c'){waratha[19].nasib =
'd'; waratha[19].sahem = 0}
                    if(waratha[20].selected &&
waratha[16].nasib == 'c'){waratha[20].nasib =
'd'; waratha[20].sahem = 0}
                        if(waratha[21].selected &&
waratha[16].nasib == 'c'){waratha[21].nasib =
'd'; waratha[21].sahem = 0}
                    }
}

```

```

//حساب العول
if( xtot > result.cppcm){ //في المسألة عول
    result.cppcm = xtot
    result.aol = xtot;
}else{//ليس في المسألة عول
    result.aol = 0
}
}

```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
// في حالة لم يبق سهم  
if(xtot >= result.cppcm){  
  for(var i in waratha){  
    if(waratha[i].selected)  
      if(waratha[i].nasib == 'b'){  
        waratha[i].nasib = 'd';  
        waratha[i].sahem = 0  
      }  
  }  
}
```

```
var baki = result.cppcm - xtot;  
var grand = 1;  
var petit = 1;
```

```
for(i in waratha){  
  if(waratha[i].selected){  
    if(waratha[i].makam != 1){// يرث
```

بالفرض

```
      if(waratha[i].sahem %  
waratha[i].number != 0){  
        grand =  
lcm(grand,lcm(waratha[i].sahem,waratha[i].number  
) / waratha[i].sahem)  
      }  
    }else if(waratha[i].makam == 1 &&  
waratha[i].nasib == 'c'){// يرث بالتعصيب  
      if(baki == 0){// لم يبق شئ للمعصيين  
        waratha[i].nasib = 'd'  
        waratha[i].sahem = 0  
      }else{
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
        if(!jad){//TODO: if nit jad
            waratha[i].sahem = baki
            grand =
lcm(grand,lcm(waratha[i].sahem,waratha[i].number
) / waratha[i].sahem)
        }
    }
}
```

```
        if(gcd(petit,grand) == 1){petit =
petit * grand}
        else{petit = petit * grand /
gcd(petit,grand)}
```

```
    }
    baki = baki * petit
    result.cppcm = result.cppcm * petit
```

```
for(var i in waratha){
    if(jad && waratha[i].makam != 1){
        waratha[i].sahem *= petit
    }
}
```

```
//العمرية الأولى
if(Masail.getMasala("العمرية
1").validate(waratha)){
    waratha[4].sahem = 3
    waratha[6].sahem = 2;
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
waratha[6].nasib = "m"
    waratha[7].sahem =
1;waratha[7].nasib = "n"
    result.cppcm = 6
    result.tasmia = "العمرية"
    return;
}
//العمرية الثانية
if(Masail.getMasala("العمرية
2").validate(waratha)){
    var p=1;
    if(waratha[5].sahem %
waratha[5].number)
        p *= waratha[5].number;

        waratha[5].sahem = p;
        waratha[6].sahem = 2
*p;waratha[6].nasib = "m"
        waratha[7].sahem =
p;waratha[7].nasib = "n"
        result.tasmia = "العمرية"
        return
    }

//المسألة المشتركة

if(Masail.getMasala("المشتركة").validate(waratha)){
    result.asl = 6
    result.cppcm = 6;waratha[4].sahem =
3;baki = 2
    if(waratha[7].selected)
        Pge p
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
        waratha[7].sahem = 1
        if(waratha[9].selected &&
!waratha[7].selected)
            waratha[9].sahem = 1
            if(waratha[10] &&
!waratha[7].selected)
                waratha[10].sahem = 1
```

```
var chak1 = waratha[11].number
var chak2 = 0
if(waratha[12].selected)
    chak2 = waratha[12].number
```

```
var oum = waratha[15].number
var moch = chak1 + chak2 + oum
```

```
        if(gcd(baki,moch) != 1) titp = moch
/ gcd(baki,moch)
        else titp = moch
```

```
waratha[6].sahem = 3 * titp
waratha[6].nasib = 'j'
```

```
        if(waratha[7].selected){
            waratha[7].sahem = titp
            waratha[7].nasib = 'f'
        }
        if(waratha[9].selected &&
!waratha[7].selected){
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
    waratha[9].sahem = titp
    waratha[9].nasib = 'f'
  }
  if(waratha[10].selected &&
!waratha[7].selected){
    waratha[10].sahem = titp
    waratha[10].nasib = 'f'
  }
  waratha[11].sahem = 2 * titp * chak1
/ moch
  waratha[11].nasib = 'o'

  if(waratha[12].selected){
    waratha[12].sahem = 2 * titp *
chak2 / moch
    waratha[12].nasib = 'o'
  }
  waratha[15].sahem = 2 * titp * oum /
moch
  waratha[15].nasib = 'o'
  result.cpppcm *= titp;
  $log.debug('titp',titp);

$log.debug('result.cpppcm',result.cpppcm);
  waratha[4].sahem *= titp
  result.tasmia = "المشتركة"
  return;
}
```

// المسألة الأكرية

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
if(Masail.getMasala("الأكدرية").validate(waratha)){
    $log.debug('مسألة أكدرية')
    waratha[4].sahem =
9;waratha[4].nasib = 'j';
    waratha[7].sahem =
6;waratha[7].nasib = 'i';
    waratha[8].sahem =
8;waratha[8].nasib = 'q';
    if(waratha[12].selected){
        waratha[12].sahem =
4;waratha[12].nasib = 'q';
    }else{
        waratha[14].sahem =
4;waratha[14].nasib = 'q';
    }
    result.tasmia = "الأكدرية"
    result.cppcm = 27
    return;
}
```

// المسألة المالكية

```
if(Masail.getMasala("المالكية").validate(waratha)){
    waratha[4].sahem =
3;waratha[4].nasib = 'j';
    waratha[7].sahem =
1;waratha[7].nasib = 'f';
    waratha[8].sahem =
2;waratha[8].nasib = 'i';
    waratha[13].sahem =
0;waratha[13].nasib = 'd';
```


FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
waratha[15].sahem =
0;waratha[15].nasib = 'a';
result.tasmia = "المالكية"
return;
}
//المسألة شيه المالكية
if(Masail.getMasala("شبه
المالكية").validate(waratha)){
waratha[4].sahem =
3;waratha[4].nasib = 'j';
waratha[7].sahem =
1;waratha[7].nasib = 'f';
waratha[8].sahem =
2;waratha[8].nasib = 'i';
waratha[11].sahem =
0;waratha[11].nasib = 'd';
waratha[15].sahem =
0;waratha[15].nasib = 'a';
result.tasmia = "شبه المالكية"
return;
}
```

/* اعادة التصحيح باعتبار للذكر مثل حظ الأنثيين */

```
if(!jad){
var moyen = 1
var men = 0
var women = 0
for(i in waratha){
if(waratha[i].selected &&
waratha[i].nasib == 'b'){
if(i == 0 || i == 2 || i == 11
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
|| i == 13) // إذا كان من الذكور
    men = waratha[i].number * 2
    if(i == 1 || i == 3 || i == 12
|| i == 14) // من الإناث
        women = waratha[i].number
    }
}
moyen = (men + women > 0? men +
women : 1)
var titp = 1
if(baki % moyen != 0)
    if(gcd(baki,moyen) != 1)
        titp = moyen / gcd(baki,moyen)
    else
        titp = moyen

    petit *= titp
    result.cppcm *= titp // إعادة التصحيح باعتبار
```

الذكر مثل حظ الأنثيين

```
// تحديث سهم كل وارث بعد التصحيح
for(i in waratha){
    if(waratha[i].selected){
        if(waratha[i].nasib == 'b'){//
نصيبهم للذكر مثل حظ الأنثيين
            if(i == 0 || i == 2 || i == 11
|| i == 13) // إذا كان من الذكور
                waratha[i].sahem = baki * titp
* men / moyen
            else if(i == 1 || i == 3 || i ==
12 || i == 14) // من الإناث
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
waratha[i].sahem = baki * titp
```

```
* women / moyen
```

```
    }else{
```

```
        waratha[i].sahem *= petit
```

```
    }
```

```
  }
```

```
}
```

```
}
```

```
if(jad){
```

```
    titp = 1
```

```
    frere = 0;
```

```
    var jfrere = 0;
```

```
    if(waratha[12].selected ||
```

```
waratha[14].selected){ frere =
```

```
(waratha[11].number + waratha[13].number)*2 +
```

```
waratha[12].number + waratha[14].number}
```

```
    else{ frere = waratha[11].number +  
waratha[13].number}
```

```
    if(waratha[12].selected ||
```

```
waratha[14].selected){jfrere = frere +
```

```
waratha[8].number*2}
```

```
    else{jfrere = frere +
```

```
waratha[8].number}
```

```
    if(waratha[8].nasib == 'n'){
```

```
        $log.debug("baki", baki);
```

```
        $log.debug("result.cppcm",
```

```
result.cppcm);
```

```
        if(baki % 3 == 0){waratha[8].sahem  
= baki / 3; baki = 2*baki/3}
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
    else{
        waratha[8].sahem = baki
        for(var i in waratha){
            if(waratha[i].selected){
                if(i != 8 && i != 11 && i !=
12 && i != 13 && i != 14) waratha[i].sahem *= 3
            }
        }
        baki *= 2; petit *= 3;
result.cppcm *= 3; titp *= 2;
    }
}else{
    titp = 1

    if( baki % jfrere != 0)
        if(gcd(baki,jfrere) != 1) titp =
jfrere / gcd(baki,jfrere);
        else titp = jfrere;

    for(var i in waratha)
        if(waratha[i].selected)
            if(i != 8 && i != 11 && i !=
12 && i != 13 && i != 14) waratha[i].sahem *=
titp;

    if(waratha[12].selected ||
waratha[14].selected) waratha[8].sahem = baki *
titp * 2 / jfrere
        else waratha[8].sahem = baki *
titp / jfrere
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
    waratha[8].nasib = 'r'
    petit *= titp
    baki = baki * titp -
waratha[8].sahem
    result.cppcm *= titp

}

moyen = 1;
men = 0;
women = 0;
for(var i in waratha)
    if(waratha[i].selected)
        if(waratha[i].nasib == 'b'){
            if(i == 11 || i == 13)
                men = waratha[i].number * 2;
            else if(i == 12 || i == 14)
                women = waratha[i].number;
        }

moyen = men + women;
//console.log("moyen", moyen);

if(waratha[11].selected &&
waratha[12].selected)
    if(baki % moyen != 0){
        if(gcd(baki,moyen) != 1) titp =
moyen / gcd(baki,moyen)
        else titp = moyen

        waratha[11].sahem = baki * titp
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

* men / moyen

```
waratha[12].sahem = baki * titp
```

* women / moyen

```
waratha[8].sahem *= titp
```

```
for(var i in waratha)
```

```
  if(waratha[i].selected)
```

```
    if(i != 8 && i != 11 && i !=
```

```
12 && i != 13 && i != 14)
```

```
      waratha[i].sahem *= titp
```

```
      petit *= titp
```

```
      result.cppcm *= titp
```

```
    }else{
```

```
      waratha[11].sahem = baki * men /
```

moyen

```
      waratha[12].sahem = baki * women
```

/ moyen

```
    }
```

```
    if(waratha[14].selected &&
!waratha[11].selected && !waratha[12].selected
&& !waratha[13].selected)
```

```
      waratha[14].sahem = baki
```

```
    if(waratha[13].selected &&
!waratha[11].selected && !waratha[12].selected
&& !waratha[14].selected)
```

```
      waratha[13].sahem = baki
```

```
    if(waratha[11].selected &&
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
!waratha[12].selected){
    waratha[11].sahem = baki
    if(waratha[13].selected)
waratha[13].sahem = 0
    if(waratha[14].selected)
waratha[14].sahem = 0

    //?????

    titp = 1;
    if(baki % waratha[11].number != 0)
        if(gcd(baki,waratha[11].number)
!= 1) titp = waratha[11].number / gcd(baki,
waratha[11].number)
        else titp = waratha[11].number

    waratha[8].sahem *= titp
    waratha[11].sahem *= titp
    petit *= titp
    result.cppcm *= titp

    for(var i in waratha)
        if(waratha[i].selected)
            if(i != 8 && i != 11 && i !=
12 && i != 13 && i != 14)
                waratha[i].sahem *= titp
    }

    //console.log("baki", baki);
    Pge p
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
    //console.log("result.cppcm",
result.cppcm);
    if(waratha[12].selected &&
!waratha[11].selected)
        if(waratha[12].number == 1)
            if(baki <= result.cppcm / 2){
                waratha[12].sahem = baki
                if(waratha[8].nasib != 'r')
                    waratha[12].nasib = 'c'
                if(waratha[13].selected ||
waratha[14].selected){
                    $log.debug('here')

if(waratha[13].selected){waratha[13].sahem =
0;waratha[13].nasib = 'd';}

if(waratha[14].selected){waratha[14].sahem =
0;waratha[14].nasib = 'd';}
                }
            }else{

                men = 0;
                women = 0;
                moyen = 1;
                if(result.cppcm % 2 != 0){baki
*= 2;waratha[8].sahem *= 2;result.cppcm *= 2;}

                waratha[12].sahem =
result.cppcm /2

                waratha[12].makam = '3'
                waratha[12].nasib = 'j'
                Pge p
```


FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
    baki = baki - result.cppcm /2

    //todo : make sure init var
men and women
    if(waratha[14].selected) men =
waratha[13].number *2
    else men = waratha[13].number

    women = waratha[14].number

    moyen = men + women
    titp = 1
    if(baki % moyen != 0)
        if(gcd(baki,moyen) != 1)
titp = moyen / gcd(baki,moyen)
        else titp = moyen

    waratha[8].sahem *= titp
    waratha[12].sahem *= titp

    if(waratha[13])
waratha[13].sahem = baki *titp * men /moyen
    if(waratha[14])
waratha[14].sahem = baki *titp * women /moyen

    petit *= titp
    result.cppcm *= titp

    for(var i in waratha)
        if(waratha[i].selected)
            if(i != 8 && i != 11 && i
                Pge p
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_
!= 12 && i != 13 && i != 14)

waratha[i].sahem *= titp

}

else if(waratha[12].number > 1){
waratha[12].sahem = baki

if(waratha[13].selected){waratha[13].sahem =
0;waratha[13].nasib = 'd'}

if(waratha[14].selected){waratha[14].sahem =
0;waratha[14].nasib = 'd'}

if(waratha[8].nasib !=
'r'){waratha[12].nasib = 'c';waratha[12].makam =
1}

titp = 1

if(baki % waratha[12].number !=

0)

if(gcd(baki,waratha[12].number) != 1) titp =
waratha[12].number /
gcd(baki,waratha[12].number)

else titp = waratha[12].number

waratha[8].sahem *= titp

waratha[12].sahem *= titp

petit *= titp

result.cppcm *= titp

for(var i in waratha)

Pge p

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
        if(waratha[i].selected)
            if(i != 8 && i != 12)
waratha[i].sahem *= titp
        }

        // جمع اخ لاب واخت لاب
        if(waratha[13].selected &&
waratha[14].selected && waratha[13].nasib == 'b'
&& waratha[14].nasib == 'b')
            if(baki % moyen != 0){
                if(gcd(baki,moyen) != 1) titp =
moyen / gcd(baki,moyen)
                else titp = moyen

                waratha[13].sahem = baki * titp
* men / moyen
                waratha[14].sahem = baki * titp
* women / moyen
                waratha[8].sahem *= titp
                for(var i in waratha)
                    if(waratha[i].selected)
                        if(i != 8 && i != 11 && i !=
12 && i != 13 && i != 14)
                            waratha[i].sahem *= titp

                petit *= titp
                result.cppcm *= titp

            }else{
                waratha[13].sahem = baki * men /
moyen
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
waratha[14].sahem = baki * women
```

```
/ moyen
```

```
}
```

```
}
```

```
// تجنب للذكر مثل حظ الانثيين عند الاخْت الشقيقة اذا لم تكن
```

```
حالة جد
```

```
if(!waratha[11].selected &&  
waratha[12].number > 2 && waratha[12].nasib ==  
'b'){
```

```
    if(waratha[8].nasib !=  
'r'){waratha[12].nasib = 'c';waratha[12].makam =  
1;}
```

```
}
```

```
for(i in waratha){
```

```
    if(waratha[i].nasib == '1'){//اذا كان  
نصيب وارث كل المال
```

```
        waratha[i].sahem =  
waratha[i].number
```

```
        result.asl = 1
```

```
        result.cppcm = waratha[i].number
```

```
    }
```

```
}
```

```
var masails = Masail.getAll();
```

```
for(var i in masails){
```

```
    if(masails[i].validate(waratha)){
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
        result.tasmia = masails[i].name
    }
}

    clacRad(waratha,xtot);
},
getAsl: function () {
    return result.asl;
},
getAol: function () {
    return result.aol;
},
getTashih: function(){
    return result.cppcm;
},
getResult :function(){
    return result;
},
clear: function () {
    for (var i in waratha) {
        waratha[i].number = 0
        waratha[i].selected = false
    }
}
}
})
```

```
.factory('Masail', function () {
    var masail = [
        {
            name: 'العمرية 1',
```

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```
makeIt: function (w) {
  w[4].number = 1 //زوج
  w[4].selected = true;
  w[6].number = 1 //أم
  w[6].selected = true;
  w[7].number = 1 //أب
  w[7].selected = true;

  //$scope.$emit('calc', true);
},
validate: function (w) {
  if (w[4].number > 0 // لها زوج
    && w[6].number > 0 // وأب
    && w[7].number > 0 // وأم
    && w[0].number == 0 // ليس لها أولاد
    && w[1].number == 0
    && w[2].number == 0
    && w[3].number == 0
    && (w[11].number + w[12].number
+ w[13].number + w[14].number + w[15].number <
2))

    return true;
  return false
}
},
{
  name: 'العمرية 2',
  makeIt: function (W) {
    W[5].number = 1 //زوجة
    W[5].selected = true;
    W[6].number = 1 //أب
```

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```
W[6].selected = true;
W[7].number = 1 //أم
W[7].selected = true;
//$rootScope.$emit('calc', true);
},
validate: function (w) {
  if (w[5].number > 0
    && w[6].number > 0
    && w[7].number > 0
    && w[0].number == 0 // ليس له أولاد
    && w[1].number == 0
    && w[2].number == 0
    && w[3].number == 0
    && (w[11].number + w[12].number
+ w[13].number + w[14].number + w[15].number <
2))

    return true;
  return false
}
},
{
  name: 'المشركة',
  makeIt: function (W) {
    W[4].number = 1 //زوج
    W[4].selected = true;
    W[7].number = 1 //أم
    W[7].selected = true;
    W[11].number = 2 //أخ شقيق
    W[11].selected = true;
    W[15].number = 2 //أخت لأم، أخ
    W[15].selected = true;
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
//$rootScope.$emit('calc', true);
```

```
},
```

```
validate: function (w) {
```

```
  if(!w[0].selected
```

```
    && !w[1].selected
```

```
    && !w[2].selected
```

```
    && !w[3].selected
```

```
    && !w[6].selected
```

```
    && !w[8].selected
```

```
    && w[4].selected
```

```
    && (w[7].selected ||
```

```
w[9].selected || w[10].selected)
```

```
    && w[11].selected
```

```
    && w[15].number > 1)
```

```
  return true;
```

```
  return false
```

```
}
```

```
},
```

```
{
```

```
  name: 'الأكدرية',
```

```
  makeIt: function (W) {
```

```
    W[4].number = 1 //زوج
```

```
    W[4].selected = true;
```

```
    W[7].number = 1 //أم
```

```
    W[7].selected = true;
```

```
    W[8].number = 1 //جد
```

```
    W[8].selected = true;
```

```
    W[12].number = 1 //أخت شقيقة
```

```
    W[12].selected = true;
```

```
  },
```

```
  validate: function (w) {
```


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```
    if(!w[0].selected
    && !w[1].selected
    && !w[2].selected
    && !w[3].selected
    && !w[6].selected
    && !w[11].selected
    && w[4].selected
    && w[7].selected
    && w[8].selected
    && (w[12].number == 1 ||
(w[14].number == 1 && !w[13].selected)))
        return true;
    return false
}
},
{
    name: 'الملكية',
    makeIt: function (W) {
        W[4].number = 1 //زوج
        W[4].selected = true;
        W[7].number = 1 //أم
        W[7].selected = true;
        W[8].number = 1 //جد
        W[8].selected = true;
        W[13].number = 1 //أخ لأب
        W[13].selected = true;
        W[15].number = 2 // أخت / أم
        W[15].selected = true;
    },
    validate: function (w) {
        if(!w[0].selected
```

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```
    && !w[1].selected
    && !w[2].selected
    && !w[3].selected
    && !w[6].selected
    && w[8].selected
    && w[4].selected
    && w[7].selected
    && w[13].selected
    && !w[14].selected
    && w[15].number > 1)
    return true;
    return false
}
},
{
    name: 'شبه المالكية',
    makeIt: function (W) {
        W[4].number = 1 //زوج
        W[4].selected = true;
        W[7].number = 1 //أم
        W[7].selected = true;
        W[8].number = 1 //جد
        W[8].selected = true;
        W[11].number = 1 //أخ شقيق
        W[11].selected = true;
        W[15].number = 2 //أخ لأب
        W[15].selected = true;
    },
    validate: function (w) {
        if(!w[0].selected
        && !w[1].selected
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
    && !w[2].selected
    && !w[3].selected
    && !w[6].selected
    && w[8].selected
    && w[4].selected
    && w[7].selected
    && w[11].selected
    && !w[12].selected
    && w[15].number > 1)
    return true;
return false
}
},
{
name: 'المنبرية',
makeIt: function (W) {
    W[5].number = 1 //زوجة
    W[5].selected = true;
    W[6].number = 1 //أب
    W[6].selected = true;
    W[7].number = 1 //أم
    W[7].selected = true;
    W[1].number = 2 //بتان
    W[1].selected = true;
},
validate: function (w) {
    if(w[5].number == 1
        && w[6].number == 1
        && w[7].number == 1
        && w[1].number == 2)
    return true;
}
```

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```
return false
}
},
{
name: 'الخرقاء',
makeIt: function (W) {
W[7].number = 1 //أم
W[7].selected = true;
W[8].number = 1 //جد
W[8].selected = true;
W[12].number = 1 //أخت شقيقة
W[12].selected = true;
},
validate: function (w) {
if(w[7].number == 1
&& w[8].number == 1
&& w[12].number == 1)
return true;
return false
}
},
```

```
{
name: 'أم الفروخ',
makeIt: function (w) { //زوج وام واختان
```

شقيقتان واخوان او اختان لأم

```
w[4].number = 1
w[4].selected = true;
w[7].number = 1
w[7].selected = true;
w[12].number = 2
w[12].selected = true;
```

FICHIER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
w[15].number = 2
w[15].selected = true;
},
validate: function (w) {
  if(w[4].number == 1
    && w[7].number == 1
    && w[12].number == 2
    && w[15].number == 2)
    return true;
  return false
}
},
{
  name: 'الدينارية',
  makeIt: function (w) { // جدة لأب و زوجة و //
    بنتان و اثنا عشر أخ شقيق و اخت شقيقة
    w[9].number = 1
    w[9].selected = true;
    w[5].number = 1
    w[5].selected = true;
    w[1].number = 2
    w[1].selected = true;
    w[11].number = 12
    w[11].selected = true;
    w[12].number = 1
    w[12].selected = true;
  },
  validate: function (w) {
    if(w[9].number == 1
      && w[5].number == 1
      && w[1].number == 2
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
        && w[11].number == 12
        && w[12].number == 1)
    return true;
    return false
}
},
{
    name: 'أم الأراامل',
    makeIt: function (w) { // جدة لأب و جدة لأم
وثلاث زوجات واربعة اخوة او اخوات لأم و ثمانية اخوات شقيقات
        w[9].number = 1
        w[9].selected = true;
        w[10].number = 1
        w[10].selected = true;
        w[5].number = 3
        w[5].selected = true;
        w[15].number = 4
        w[15].selected = true;
        w[12].number = 8
        w[12].selected = true;
    },
    validate: function (w) {
        if(w[9].number == 1
            && w[10].number == 1
            && w[5].number == 3
            && w[15].number == 4
            && w[12].number == 8)
            return true;
        return false
    }
},
```

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```
{
  name: 'المباهلة',
  makeIt: function (w) { // زوج وام واخت شقيقة
    w[4].number = 1
    w[4].selected = true;
    w[7].number = 1
    w[7].selected = true;
    w[12].number = 1
    w[12].selected = true;
  },
  validate: function (w) {
    if(w[4].number == 1
      && w[7].number == 1
      && w[12].number == 1)
      return true;
    return false
  }
},
{
```

لأب وأخت لأب

```
  name: 'الأخ المبارك',
  makeIt: function (w) { // اختان شقيقتان و اخ
    w[12].number = 2
    w[12].selected = true
    w[13].number = 1
    w[13].selected = true
    w[14].number = 1
    w[14].selected = true
  },
  validate: function (w) {
    if(w[12].number == 2
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
        && w[13].number == 1
        && w[14].number == 1)
    return true;
    return false
}
},
{
    name: 'الأخ المشؤوم',
    makeIt: function (w) {
        w[4].number = 1// مسألة فيها زوج
        w[4].selected = true
        w[12].number = 1 // وأخت شقيقة
        w[12].selected = true
        w[13].number = 1// لأب
        w[13].selected = true
        w[14].number = 1// لأب
        w[14].selected = true
    },
    validate: function (w) {
        if(w[4].number == 1
            && w[12].number == 1
            && w[13].number == 1
            && w[14].number == 1)
            return true;
            return false
        }
    },
    {
        name: 'القريب المشؤوم',
        makeIt: function (w) {
            w[4].number = 1// المسألة فيها زوج
```


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```
w[4].selected = true
w[6].number = 1 // وأب
w[6].selected = true
w[7].number = 1//وأم
w[7].selected = true
w[1].number = 1//وبنت
w[1].selected = true
w[3].number = 1//وبنت ابن
w[3].selected = true
w[2].number = 1//وابن ابن
w[2].selected = true
},
validate: function (w) {
    if(w[4].number == 1
        && w[6].number == 1
        && w[7].number == 1
        && w[1].number == 1
        && w[3].number == 1
        && w[2].number == 1)
        return true;
    return false
}
},
{
    name: 'الجد مع الإخوة (ثلث التركة)',
    makeIt: function(w){
        w[8].number = 1
        w[8].selected = true
        w[11].number = 2
        w[11].selected = true
        w[12].number = 1
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_

```
w[12].selected = true
},
validate: function () {
  return false;
}
},
{
  name: 'الجد مع الإخوة (ثلث الباقي)',
  makeIt: function(w){
    w[8].number = 1
    w[8].selected = true
    w[5].number = 1
    w[5].selected = true
    w[11].number = 2
    w[11].selected = true
    w[12].number = 1
    w[12].selected = true
  },
  validate: function () {
    return false;
  }
},
{
  name: 'الجد مع الإخوة (سدس التركية)',
  makeIt: function(w){
    w[1].number = 1
    w[1].selected = true
    w[8].number = 1
    w[8].selected = true
    w[11].number = 2
    w[11].selected = true
```

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```
        w[12].number = 1
        w[12].selected = true
    },
    validate: function () {
        return false;
    }
},
{
    name: 'الجد مع الإخوة (يشارك الإخوة)',
    makeIt: function(w){
        w[1].number = 1
        w[1].selected = true
        w[8].number = 1
        w[8].selected = true
        w[11].number = 1
        w[11].selected = true
        w[12].number = 1
        w[12].selected = true
    },
    validate: function () {
        return false;
    }
}
]
```

```
return {
    getAll: function () {
        return masail
    },
    getMasala: function (masala) {
        if (!isNaN(masala)) {
```

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```
    return masail[masala]
  }
  for (var i in masail)
    if (masala == masail[i].name) {
      //console.log(masail[i]);
      return masail[i]
    }
  throw 'لا يوجد مسألة ' + masala
}
})
```

```
.factory('$localStorage', ['$window',
function($window) {
  return {
    set: function(key, value) {
      $window.localStorage[key] = value;
    },
    get: function(key, defaultValue) {
      return $window.localStorage[key] ||
defaultValue;
    },
    setObject: function(key, value) {
      $window.localStorage[key] =
JSON.stringify(value);
    },
    getObject: function(key) {
      return
JSON.parse($window.localStorage[key] || '{}');
    }
  }
}
}
```

FICHER DE JS CODES INFORMATIQUES HERITAGE EN ISLAM_
}]);