

```

def syr(x):
    liste=[x]
    while x!=1:
        if x%2==0:
            x=x//2
        else:
            x=3*x+1
        liste.append(x)
    print(liste)

```

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syr(35)
```

```

def artikyil(yil):
    artik=False
    if (yil%100==0 and yil%400==0) or (yil%4==0 and yil%100!=0):
        artik=True
    return artik

```

```

y=1
while y!=0:
    y=eval(input("Yil:"))
    print(artikyil(y))

```

```

def AyinSonGunu(ay,yil):
    if ay in [4,6,9,11]:
        son=30
    elif ay!=2:
        son=31
    elif artikyil(yil):
        son=29
    else:
        son=28
    return son

```

```

def kacincigun(gun,ay,yil):
    g=0
    i=1
    while i<ay:
        g+=AyinSonGunu(i,yil)
        i+=1
    g+=gun
    return g

```

```

gunler="pazar pazartesi sali carsamba persembe cuma cumartesi".split()
ilk=1 #1900 yilinin ilk gunu

def haftaningunu(gun,ay,yil):
    top=0
    for i in range(1900,yil):
        if artikyil(i):
            top+=366
        else:
            top+=365
    g=ilk+kacincigun(gun,ay,yil)+top
    return gunler[g%7-1]

def haftaningunu2(gun,ay,yil,gecmisgunler):
    g=ilk+kacincigun(gun,ay,yil)+gecmisgunler
    return gunler[g%7-1]

aylar="ocak subat mart nisan mayis haziran temmuz agustos eylul ekim kasim aralik".split()

def takvim(yil):
    top=0
    for i in range(1900,yil):
        if artikyil(i):
            top+=366
        else:
            top+=365
    for ay in range(1,13):
        print(aylar[ay-1],yil)
        for gun in range(1,AyinSonGunu(ay,yil)+1):
            print(gun,'-',haftaningunu2(gun,ay,yil,top))

takvim(2015)

```