Cách 1: kém hiệu quả

let d,m,y,db,mb,yb,da,ma,ya,z;

d=Number(prompt('nhap ngay'));

m=Number(prompt('nhap thang'));

y=Number(prompt('nhap nam'));

z=y%4;

if(z==0)

{

switch (m)

{

case 4:

case 6:

case 9:

case 11:

if(1<=d&&d<=30)

{

if(d==1)

{

db=31;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==30)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 2:

if(1<=d&&d<=29)

{

if(d==1)

{

db=31;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==29)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 3:

if(1<=d&&d<=31)

{

if(d==1)

{

db=29;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==31)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 5:

case 7:

case 8:

case 10:

if(1<=d&&d<=31)

{

if(d==1)

{

db=30;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==31)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 1:

if(1<=d&&d<=31)

{

if(d==1)

{

db=31;

mb=12;

yb=y-1;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==31)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 12:

if(1<=d&&d<=31)

{

if(d==1)

{

db=30;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==31)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=1;

ya=y+1;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

}

}

else

{

switch (m)

{

case 4:

case 6:

case 9:

case 11:

if(1<=d&&d<=30)

{

if(d==1)

{

db=31;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==30)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 2:

if(1<=d&&d<=28)

{

if(d==1)

{

db=31;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==28)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 3:

if(1<=d&&d<=31)

{

if(d==1)

{

db=28;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==31)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 5:

case 7:

case 8:

case 10:

if(1<=d&&d<=31)

{

if(d==1)

{

db=30;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==31)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 1:

if(1<=d&&d<=31)

{

if(d==1)

{

db=31;

mb=12;

yb=y-1;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==31)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=m+1;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

break

case 12:

if(1<=d&&d<=31)

{

if(d==1)

{

db=30;

mb=m-1;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else if(d==31)

{

db=d-1;

mb=m;

yb=y;

da=1;

ma=1;

ya=y+1;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

else

{

db=d-1;

mb=m;

yb=y;

da=d+1;

ma=m;

ya=y;

console.log(`ngay lien truoc${db}/${mb}/${yb}`)

console.log(`ngay lien sau${da}/${ma}/${ya}`)

}

}

else

{

console.log('ko hop le')

}

}

}

CÁCH 2:HIỆU QUẢ

let day,daybefore,dayafter;

let month, monthbefore,monthafter;

let year,yearbefore,yearafter;

day = Number(prompt("Nhap ngay: "));

daybefore = day - 1;

dayafter = day + 1;

month = Number(prompt("Nhap thang: "));

monthbefore = month - 1;

monthafter = month + 1;

year = Number(prompt("Nhap nam: "));

yearbefore = year - 1;

yearafter = year + 1;

switch (month)

{

case 1:

if( day < 1 && day > 31)

{

console.log('ko hop le')

}

else

{

console.log('hop le')

switch(day)

{

case 1:

console.log(`ngay lien truoc: 31-12-${yearbefore}`)

console.log(`ngay lien sau: ${dayafter}-${month}-${year}`)

break;

case 31:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien sau: 1-${monthafter}-${year}`)

break;

default:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien truoc: ${dayafter}-${month}-${year}`)

}

}

break;

case 2:

if((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0))

{

if( 1 > day && day > 29)

{

console.log('ko hop le')

}

else

{

console.log('hop le')

switch(day)

{

case 1:

console.log(`ngay lien truoc: 31-${monthbefore}-${year}`)

console.log(`ngay lien sau: ${dayafter}-${month}-${year}`)

break;

case 29:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien sau: 1-${monthafter}-${year}`)

break;

default:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien truoc: ${dayafter}-${month}-${year}`)

}

}

}

else

{

if( 1 > day && day > 28)

{

console.log('ko hop le')

}

else

{

console.log('hop le')

switch(day)

{

case 1:

console.log(`ngay lien truoc: 31-${monthbefore}-${year}`)

console.log(`ngay lien sau: ${dayafter}-${month}-${year}`)

break;

case 28:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien sau: 1-${monthafter}-${year}`)

break;

default:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien truoc: ${dayafter}-${month}-${year}`)

}

}

}

break;

case 3:

if((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0))

{

if(1 > day && day > 31)

{

console.log('ko hop le')

}

else

{

console.log('hop le')

switch(day)

{

case 1:

console.log(`ngay lien truoc: 29-${monthbefore}-${year}`)

console.log(`ngay lien sau: ${dayafter}-${month}-${year}`)

break;

case 31:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien sau: 1-${monthafter}-${year}`)

break;

default:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien truoc: ${dayafter}-${month}-${year}`)

}

}

}

else

{

if(1 > day && day > 28)

{

console.log('ko hop le')

}

else

{

console.log('hop le')

switch(day)

{

case 1:

console.log(`ngay lien truoc: 28-${monthbefore}-${year}`)

console.log(`ngay lien sau: ${dayafter}-${month}-${year}`)

break;

case 31:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien sau: 1-${monthafter}-${year}`)

break;

default:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien truoc: ${dayafter}-${month}-${year}`)

}

}

}

break;

case 12:

if(day < 1 && day > 31)

{

console.log('ko hop le')

}

else

{

console.log('hop le')

switch(day)

{

case 1:

console.log(`ngay lien truoc: 30-${monthbefore}-${year}`)

console.log(`ngay lien sau: ${dayafter}-${month}-${year}`)

break;

case 31:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien sau: 1-1-${yearafter}`)

break;

default:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien truoc: ${dayafter}-${month}-${year}`)

}

}

break;

case 4:

case 6:

case 9:

case 11:

if(1 > day && day > 30)

{

console.log('ko hop le')

}

else

{

console.log('hop le')

switch(day)

{

case 1:

console.log(`ngay lien truoc: 31-${monthbefore}-${year}`)

console.log(`ngay lien sau: ${dayafter}-${month}-${year}`)

break;

case 31:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien sau: 1-${monthafter}-${year}`)

break;

default:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien truoc: ${dayafter}-${month}-${year}`)

}

}

break;

case 3:

case 5:

case 7:

case 8:

case 10:

case 12:

if(1 > day && day > 31)

{

console.log('ko hop le')

}

else

{

console.log('hop le')

switch(day)

{

case 1:

console.log(`ngay lien truoc: 30-${monthbefore}-${year}`)

console.log(`ngay lien sau: ${dayafter}-${month}-${year}`)

break;

case 31:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien sau: 1-${monthafter}-${year}`)

break;

default:

console.log(`ngay lien truoc: ${daybefore}-${month}-${year}`)

console.log(`ngay lien truoc: ${dayafter}-${month}-${year}`)

}

}

}