

```
x,n,y,m=map(int,input().split())
if x>n:
    x,y=y,x
    n,m=m,n
ans=y-x
pos=0
for pos in range(n):
    if (ans%n+pos*m)%n==0:
        break
if pos!=n:
    print(y+pos*m)
```

RESULT

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