

A0237044L  
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**Algorithm 1** Distribute Money

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if  $children > money$  then
    return  $-1$ 
end if
 $high \leftarrow children \times 8$ 
if  $high > money$  then
    return  $children - 1$ 
end if
if  $high = money$  then
    return  $children$ 
end if
if  $high - money = 4$  then
    return  $children - 2$ 
end if
 $children \leftarrow children - (high - money)/7$ 
if  $(high - money) \pmod{7} = 0$  then
    return  $children$ 
else
    return  $children - 1$ 
end if
```

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