



the clone of  $i$  in level  $K$   
is  $i + 2^K$

the clone of the clone of the clone...

$i + \left( \sum_{j=i_0}^K 2^j \right)$  geometric series  
where  $i$  began

need closed form.

★ forcing program will store  
" 7 forced 3, " who forced who,  

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