

```
with cte as (  
  select 1 as day,3 as forward,2 as backward,30 as reach_point, 3-2 as net_forward  
  union all  
  select day+1 as day,forward,backward,reach_point,  
  case when  
    net_forward+forward=reach_point then net_forward+forward  
    else net_forward+forward-backward  
    end as 'net_forward'  
  from cte  
  where net_forward+forward<=reach_point)  
select * from cte where net_forward=reach_point-- on day 28, the frog comes out of pit
```

110 %

Results Messages

	day	forward	backward	reach_point	net_forward
1	28	3	2	30	30