Q4 (15 points) Fill in the table and give the summation for the code below.

```c
int j, k, t;
for(i=1; i<=N; i=i*2)
   for(k=1; k<=2*i; k=k+1)
      for(t=0; t<7; t=t+1)
         printf("A");
```

Show step i in the table as well. Add lines to mark different rows:

i	Values of k	Repetitions for k loop	Values of t	Repetitions for t loop (for one k)	Repetitions of printf from loops over k and t for one value of i
1	1, 2	2	0,1,2,3,4,5,6	7	14
2	1,...,4	4	0,1,2,3,4,5,6	7	28
4	1,...,8	8	0,1,2,3,4,5,6	7	56
General term i	1,...,2i	2i	0,1,2,3,4,5,6	7	14i

Summation (include the i-th term): …………………………………………………………………
$$\sum_{i=1,2,4,\dots}^{N} 14i$$