$$\frac{1}{2} \frac{1}{2} \frac{1$$

5) 
$$fn(i=1, j=1; j < n; i++) \{ j=j+i \}$$
  $Inp(x)$ 

iteration 1 2 3 | H | ... |  $K < n-1$ 

iteration 1 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 2 | 3 | H | ... |  $K < n-1$ 

iteration 1 | 2 | 3 | H | ... |  $K < n-1$ 

iteration 2 | 3 | H | ... |  $K < n-1$ 

iteration 2 | 3 | H | ... |  $K < n-1$ 

iteration 2 | 3 | H | ... |  $K < n-1$ 

iteration 3 |  $K < n-1$ 

iteration 4 |  $K$ 

For girls deep:

For second loop:

K 
$$\leq$$
  $\log(n-1)+1$ 

For  $\log(n-1)+1$ 

For  $\log(n-1)+1$ 

Fig.  $\log(n-1)+1$ 

Fig.  $\log(n-1)+1$ 

Fig.  $\log(n-1)+1$ 

Fig.  $\log(n-1)+1$ 

Fig.  $\log(n-1)+1$ 

For  $\log(n-1)+1$ 

For

$$\frac{1}{4^{n}} (i=1; p < = n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < = n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < = n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < = n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < = n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < = n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < n; i++) \end{cases} \quad \frac{1}{4^{n}} (i=1; p < n; i++) \begin{cases} p = p + i; \end{cases} \quad \frac{1}{4^{n}} (i=1; p < n; i++) \end{cases} \quad \frac{1}{$$