

1, 0, 1, 0, 1, 0, ...
 $\frac{n}{2} + \frac{n(n-1)}{2} \rightarrow (10)^2 + \frac{10(10-1)}{2} = 155$ (1)

0, 1, 0, 1, 0, ...
 $\frac{n(n-1)}{2} \rightarrow t_9 = \frac{n(n-1)}{2} = 45 \Rightarrow n(n-1) = 90 \Rightarrow n=11$ (2)

0, 1, 0, 1, 0, ...
 $\frac{n(n-1)}{2} \rightarrow t_9 = \frac{n(n-1)}{2} = 45 \Rightarrow n(n-1) = 90 \Rightarrow n=11$ (3)

0, 1, 0, 1, 0, ...
 $\frac{n(n-1)}{2} \rightarrow t_9 = \frac{n(n-1)}{2} = 45 \Rightarrow n(n-1) = 90 \Rightarrow n=11$ (4)

0, 1, 0, 1, 0, ...
 $\frac{n(n-1)}{2} \rightarrow t_9 = \frac{n(n-1)}{2} = 45 \Rightarrow n(n-1) = 90 \Rightarrow n=11$ (5)

0, 1, 0, 1, 0, ...
 $\frac{n(n-1)}{2} \rightarrow t_9 = \frac{n(n-1)}{2} = 45 \Rightarrow n(n-1) = 90 \Rightarrow n=11$ (6)

0, 1, 0, 1, 0, ...
 $\frac{n(n-1)}{2} \rightarrow t_9 = \frac{n(n-1)}{2} = 45 \Rightarrow n(n-1) = 90 \Rightarrow n=11$ (7)

0, 1, 0, 1, 0, ...
 $\frac{n(n-1)}{2} \rightarrow t_9 = \frac{n(n-1)}{2} = 45 \Rightarrow n(n-1) = 90 \Rightarrow n=11$ (8)

0, 1, 0, 1, 0, ...
 $\frac{n(n-1)}{2} \rightarrow t_9 = \frac{n(n-1)}{2} = 45 \Rightarrow n(n-1) = 90 \Rightarrow n=11$ (9)

0, 1, 0, 1, 0, ...
 $\frac{n(n-1)}{2} \rightarrow t_9 = \frac{n(n-1)}{2} = 45 \Rightarrow n(n-1) = 90 \Rightarrow n=11$ (10)