

## Análise Combinatória

Pedro Henrique - CT 11348

1)  $\begin{matrix} \text{Gov} & \text{Vice} \\ 2h, 1m & 4h, 2m \end{matrix}$

chapa  $\rightarrow 1h$  e  $1m$

	$\begin{matrix} G \\ 2 \end{matrix}$	$\begin{matrix} V \\ 2 \end{matrix}$	$2 \cdot 2 = 4$
H	<del>2</del>	M	
M	<del>1</del>	H	$4 \cdot 1 = 4$
			$4 + 4 = 8$

(C)

2)  $300 \text{ — } 500$   $3, 4, 5$

$\begin{matrix} 2 \\ 3,4 \end{matrix}$	$\begin{matrix} 2 \\ 3,4,5 \end{matrix}$	$\begin{matrix} 1 \\ 3,4,5 \end{matrix}$	$2 \cdot 2 = 4$
--	--	--	-----------------

$\hookrightarrow$  sem repetição

3)  $300 \text{ — } 500$   $3, 4, 5$

$\begin{matrix} 2 \\ 3,4 \end{matrix}$	$\begin{matrix} 3 \\ 3,4,5 \end{matrix}$	$\begin{matrix} 3 \\ 3,4,5 \end{matrix}$	$2 \cdot 3 \cdot 3 = 18$
--	--	--	--------------------------

$\hookrightarrow$  com repetição

(E)

4) 2H 3M

$\frac{M}{3} \quad \frac{M}{2} \quad \frac{M}{1} \quad \frac{H}{2} \quad \frac{H}{1}$

$3 \cdot 2 \cdot 1 \cdot 2 \cdot 1 = 12$

5)  $A \rightarrow B$  3R 2F  
 $B \rightarrow C$  2R 2F

AB  
 R 3  
 F 2

BC  
 F 2  
 R 2

$3 \cdot 2 = 6$   
 $2 \cdot 2 = 4$

$6 + 4 = 10$

(B)

6)

$\frac{2}{2} \quad \frac{2}{2} \quad \frac{2}{2}$   
 $\frac{2}{2} \quad \frac{2}{2} \quad \frac{2}{2}$   
 $\frac{2}{2} \quad \frac{2}{2} \quad \frac{2}{2} \quad \frac{2}{2}$

$2'' = 2048$

(B)