$ \left(c_{46}q_1 = BC(0) = 0, BC(1) = 0, BC(2) = 1, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 1, BM(3) = 0, Dir=1, PC=2, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, Pos=1 \right) \frac{iMontee_Cabine}{-} \frac$	$c_{47}q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir=1, PC=1, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=2$				
(c ₄₂ q ₁ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=1, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=1, BM(3)=0, Dir=1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=1 - fAppel_Descente_Cabine_Cabi	$c_{43}q_1 = BC(0) = 1, BC(1) = 0, BC(2) = 0, BC(3) = 1, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 1, BM(3) = 0, Dir=1, PC=2, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, PO=1$				
$ \left(\mathbf{c}_{27} \mathbf{q}_0 = \mathbf{BC}(0) = 0, \mathbf{BC}(1) = 1, \mathbf{BC}(2) = 0, \mathbf{BC}(3) = 0, \mathbf{BD}(0) = 0, \mathbf{BD}(0) = 0, \mathbf{BD}(3) = 0, \mathbf{BM}(0) = 0, \mathbf{BM}(0) = 0, \mathbf{BM}(2) = 0, \mathbf{BM}(3) = 0, \mathbf{BM}(3) = 0, \mathbf{Dir} = -1, \mathbf{PC} = 2, \mathbf{PE}(0) = 1, \mathbf{PE}(1) = 1, \mathbf{PE}(2) = 1, \mathbf{PE}(3) = 1, \mathbf{Pos} = 2 \right) \\ \frac{kDescente_Cabine}{E_{-1} - E_{-1} - E_$	$ \left\{ c_{28}q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir = -1, PC = 1, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, PO = 1, PC = 1, PC$				
$ \left(c_{25}q_0 = BC(0) = 1, BC(1) = 0, BC(2) = 1, BC(3) = 1, BD(0) = 0, BD(1) = 1, BD(2) = 1, BD(3) = 1, BD(3$	$c_{26}q_1 = BC(0) = 1, BC(1) = 0, BC(2) = 1, BC(3) = 1, BD(0) = 0, BD(1) = 1, BD(2) = 1, BD(3) = 1, BM(0) = 0, BM(1) = 1, BM(2) = 0, BM(3) = 0, Dir = 1, PC = 2, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, POs = 0$				
$ (c_{23}q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 0, BD(0) = 0, BD(1) = 1, BD(2) = 0, BD(3) = 0, BM(0) = 1, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir=1, PC=2, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, Pos=3) - \frac{jChangement_Direction}{jChangement_Direction} - \sqrt{c_{23}q_0} = jChangemen$	$ \left(c_{24} q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 0, BD(0) = 0, BD(1) = 1, BD(2) = 0, BD(3) = 0, BM(0) = 1, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir = -1, PC = 2, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, PO = 3, PE(3) = 1, PE(3) = 1,$				
$C_{47}C_{0} = RC(0) = 0$ $RC(2) = 0$ $RC(3) = 0$ $RD(0) = 0$ $RD(1) = 0$ $RD(2) = 0$ $RD(3) = 0$ $RD(4) = 0$ RD	$c_{16}q_1 = BC(0) = 0$, $BC(1) = 0$, $BC(2) = 1$, $BC(3) = 0$, $BD(0) = 0$, $BD(1) = 0$, $BD(2) = 0$, $BD(3) = 0$, $BM(0) = 0$, $BM(1) = 0$, $BM(2) = 0$, $BM(3) = 0$, $BM(3$		Lanta a Eta ca		
\mathbf{c}		$ \frac{\text{Cabine}}{\text{c}_{41}\text{q}_{1} = \text{BC}(0) = 0, \text{BC}(1) = 0, \text{BC}(2) = 1, \text{BC}(3) = 0, \text{BD}(0) = 0, \text{BD}(1) = 0, \text{BD}(2) = 0, \text{BD}(3) = 0, \text{BM}(0) = 0, \text{BM}(1) = 1, \text{BM}(2) = 0, \text{BM}(3) = 0, \text{Dir} = 1, \text{PC} = 2, \text{PE}(0) = 1, \text{PE}(1) = 1, \text{PE}(2) = 1, \text{PE}(3) = 1, \text{Pos} = 0 \\ \underline{\text{hAppel}_{D}} = \frac{\text{gAppel}_{D}}{\text{hAppel}_{D}} = \frac{\text{gAppel}_{D}}{\text{hAppel}_{D}}$	$c_{44}q_1 = BC(0) = 0, BC(1) = 0, BC(2) = 1, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 1, BM(2) = 1, BM(3) = 0, Dir=1, PC=2, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, Pos=0$ $c_{45}q_1 = BC(0) = 0, BC(1) = 0, BC(2) = 1, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 1, BM(0) = 0, BM(1) = 1, BM(2) = 0, BM(3) = 0, Dir=1, PC=2, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, Pos=0$	$c_{49}q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(2) = 0, BM(3) = 0, Dir=-1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PC=2, PE(0)=1, PC=2, PE(0)=1, PC=2, PC=3, $	
$ \left(c_{13}q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir=-1, PC=1, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, Pos=0 \right) - \frac{eAppel_Montee_Cabine}{eAppel_Montee_Cabine} - \left(c_{13}q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 0, BD(3) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 0, BM(3) = 0, BM(3$	$ \left(c_{14}q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 1, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir = -1, PC = 1, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, PO = 0, PC = 1, PC$		C ₄₅ q ₁ = BC(0)=0, BC(1)=0, BC(2)=1, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=1, BM(0)=0, BM(1)=1, BM(2)=0, BM(3)=0, DIF=1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, POS=0	dFermeture_Portes_Etage	
$ \left(c_{10}q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 1, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir=1, PC=2, PE(0) = 1, PE(1) = 0, PE(2) = 1, PE(3) = 1, Pos=1 \right) - \frac{dFermeture_Portes_Etage}{dFermeture_Portes_Etage} $	bOuverture Portes (Cabine $c_{37}q_4 = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=0, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=0, Pos=3$	Portes_Cabine - (c ₄₈ q ₄ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=0, Pos=3	fAppel_Descente_Cabine gAppel_Montee_Etage c ₅₀ q ₄ = BC(0)=0, BC(1)=1, BC(2)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=0, Pos= c ₅₀ q ₄ = BC(0)=0, BC(1)=1, BC(2)=0, BD(0)=0, BD(1)=0, BD(2)=0, BM(0)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=0, Pos= c ₅₁ q ₄ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=1, BM(2)=0, BM(3)=0, Dir=-1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=0, Pos= c ₅₁ q ₄ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=1, BM(2)=0, BM(3)=0, Dir=-1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=0, Pos= c ₅₁ q ₄ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(0)=0	
$c_8q_0 = BC(0) = 0$, $BC(1) = 0$, $BC(2) = 0$, $BC(3) = 0$, $BD(0) = 0$, $BD(1) = 0$, $BD(2) = 0$, $BD(3) = 0$, $BD(0) =$	$c_{9}q_{0} = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir=-1, PC=2, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=0$ $fAppel_Descente_C$	$c_{38}g_6 = BC(0)=0$, $BC(1)=1$, $BC(2)=0$, $BC(3)=0$, $BD(0)=0$, $BD(1)=0$, $BD(2)=0$, $BD(3)=0$, $BM(0)=0$, $BM(1)=0$, $BM(2)=0$, $BM(3)=0$, $Dir=-1$, $PC=1$, $PE(0)=1$, $PE(1)=1$, $PE(2)=1$, $PE(3)=0$, $Pos=3$		hAppel_Descente_Etage $c_{51}q_4 = BC(0)=0$, $BC(1)=0$, $BC(2)=0$, $BC(3)=0$, $BD(0)=0$	
aOuverture_Portes_Etage	(c ₅ q ₆ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=1, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=0, Pos=3 gAppel_Montee_B =			(5244 - Be(0)-0, Be(1)-0, Be(2)-0, Bb(0)-0, Bb(1)-1, Bb(2)-0, BN1(0)-0, BN1(
fAppel_Descente_Cabine c ₄ q ₀ = BC(0)=0, BC(1)=0, BC(2)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=1, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=3 gAppel_Montee_Etage	c ₁₇ q ₀ = BC(0)=1, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=1, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=3				
c hAppel_Descente_Etage	c ₁₉ q ₀ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=1, BM(2)=0, BM(3)=0, Dir=-1, PC=1, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=3		Portes_Cabine $c_7q_0 = BC(0)=0$, $BC(1)=0$, $BC(2)=0$, $BC(3)=0$, $BD(0)=0$, $BD(1)=0$, $BD(2)=0$, $BD(3)=0$, $BM(0)=0$, $BM(1)=0$, $BM(2)=0$, $BM(3)=0$, $Dir=-1$, $PC=2$, $PE(0)=1$, $PE(1)=1$, $PE(2)=0$, $PE(3)=1$, $Pos=2$		
	c ₂₂ q ₀ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=1, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=1, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=3 eAppel_Montee_C	$c_{31}q_2 = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 1, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir=-1, PC=1, PE(0)=1, PE(1)=1, PE(2)=0, PE(3)=1, Pos=2$ Cabine = = = = = = = = = = = = = = = =			
$ (c_2q_0 = BC(0) = 0, BC(1) = 0, BC(2) = 0, BC(3) = 0, BD(0) = 0, BD(1) = 0, BD(2) = 0, BD(3) = 0, BM(0) = 0, BM(1) = 0, BM(2) = 0, BM(3) = 0, Dir=-1, PC=1, PE(0) = 1, PE(1) = 1, PE(2) = 1, PE(3) = 1, Pos=2) - aOuverture_Portes_Etage\ constant - aOuverture$	c ₃ q ₂ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=1, PE(0)=1, PE(1)=1, PE(2)=0, PE(3)=1, Pos=2 - fAppel_Descente_C gAppel_Montee_B	Cabine $c_{32}q_2 = BC(0) = 0$, $BC(1) = 1$, $BC(2) = 0$, $BC(3) = 0$, $BD(0) = 0$, $BD(1) = 0$, $BD(2) = 0$, $BD(3) = 0$, $BD(3) = 0$, $BD(4) = 0$			
	hAppel_Descente_l	$ \underbrace{ (c_{34}q_2 = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=1, BM(1)=0, BM(2)=0, BM(3)=0, Dir=-1, PC=1, PE(0)=1, PE(1)=1, PE(2)=0, PE(3)=1, Pos=2) } $			
		$c_{36}q_2 = BC(0) = 0$, $BC(1) = 0$, $BC(2) = 0$, $BC(3) = 0$, $BD(0) = 0$, $BD(1) = 0$, $BD(2) = 0$, $BD(3) = 1$, $BM(0) = 0$, $BM(1) = 0$, $BM(2) = 0$, $BM(3) = 0$, $Dir = -1$, $PC = 1$, $PE(0) = 1$, $PE(1) = 1$, $PE(2) = 0$, $PE(3) = 1$, $PO = 2$ bouverture	Portes_Cabine $c_{29}q_0 = BC(0)=0$, $BC(1)=0$, $BC(2)=0$, $BC(3)=0$, $BD(0)=0$, $BD(1)=0$, $BD(2)=0$, $BD(3)=0$, $BM(0)=0$, $BM(1)=0$, $BM(2)=0$, $BM(3)=0$, $Dir=1$, $PC=0$, $PE(0)=0$, $PE(1)=1$, $PE(2)=1$, $PE(3)=1$, $Pos=0$		
	aOuverture_Portes_		ontee_Cabine c ₃₀ q ₂ = BC(0)=0, BC(1)=1, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=1, PC=1, PE(0)=0, PE(1)=1, PE(2)=1, PE(3)=1, Pos=0	gAppel_Montee_Etage c ₃₃ q ₂ = BC(0)=0, BC(1)=1, BC(2)=0, BD(0)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=1, BM(2)=0, BM(3)=0, Dir=1, PC=1, PE(0)=0, PE(1)=1, PE(2)=1, PE(3)=1, Pos=0	$=0 \qquad \qquad bAppel_Descente_Etage \\ c_{35}q_2 = BC(0)=0, BC(1)=1, BC(2)=0, BD(0)=0, BD(1)=1, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=1, BM(2)=0, BM(3)=0, Dir=1, PC=1, PE(0)=0, PE(1)=1, PE(2)=1, PE(3)=1, Pos=0$
	eAppel_Montee_Company BC(1)=0, BC(2)=0, BC(3)=0, BD(3)=0, BD(1)=0, BD(2)=0, BD(3)=0, BM(0)=0, BM(1)=0, BM(2)=0, BM(3)=0, Dir=1, PC=1, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=0 gAppel_Montee_B	Etage			
		$c_{18}q_0 = BC(0) = 0$, $BC(1) = 0$, $BC(2) = 0$, $BC(3) = 0$, $BD(0) = 0$, $BD(1) = 0$, $BD(2) = 0$, $BD(3) = 0$, $BD(3) = 0$, $BD(4) = 0$, $BD(4$	c ₂₁ q ₀ = BC(0)=0, BC(1)=0, BC(2)=0, BC(3)=0, BD(0)=0, BD(1)=1, BD(2)=0, BD(3)=0, BM(0)=1, BM(1)=0, BM(2)=0, BM(3)=0, Dir=1, PC=1, PE(0)=1, PE(1)=1, PE(2)=1, PE(3)=1, Pos=0		