Total Number of Gophers – 6 ,where

G1 - Loads carts

G5, G6 - Unloads and Burn

G2, G3, G4 – Carry carts from 1 end to another

Incinarator's -2

Number of Carts -7

L- Load into Cart ,UL-Unload cart, M-Move towrads other end , B- Burn , R- Book remaining to burn.

	C1	C2	C3	C4	C5	C6	<b>C</b> 7		C1	C2	СЗ										
Gophe r Numb er	45	40	35	30	25	20	15		10	5	0										
1	L(5 )																				
2,5		MC 1	MC 1	MC1	UL-C1	B- C1(I1)	R-2	M	MC5	MC5 B- C1(I1 )	MC5	UL- C5		B-C5(I1)	M R-2		MC1 	MC1	UL- C1		
3,6			MC 2	MC2	MC2	UL-C2	B- C2(I2)	R-2	M	MC6 B- C2(I2 )	MC6	MC6	UL- C6	B-C6(I2)	R-2	M B-C6 (I2)	MC2 	MC2	MC2	UL - C2	B- C2
4,5				мс3	мс3	мс3	UL-C3	B- C3(I1	R-2	M	MC7	MC7 B- C3(I1 )	MC7	UL-C7	M	мс3	мс3	MC3 B-C7 (I1)	R-2	B- C7	

2,5	B-C1 (I1)	R-2	B-C1										
3,6	R-2	B-C2											
4,5	UL- C3			В-С3	R-2	В-С3							

Total Time Required = 210 seconds