## Exercise 3:

	Exercise 3: Petri Net
	Soferen: Every place in the Petri Wet is A bounded,
	each place count of one tower
	diverses A transition is deadlocked, if it's not possible
	for the transition to fing a toker. If it
	can firing the token, it can never have a
	transition can fire. If every transitions can
	fire, we call the action liveress.
- 3	6-)
places	(Mo = (1,0,10,10) (No)
	M= (0,1,1,0,0,0) (H) + rachable through No
	1 No = (10,1001) VTZ
or 1	M3= (1,0,0,1,0,0) We reachable through 1 from 13
t = 1	My= (1,0,1,0,1,0)
0,1	(Hy)
	The condition "soverers" is fullfilled, because the 1-bounded
	to have O or 1 token, because of this formula:
	&- bounded on surpor token
	=> t = number of takens
	t = k , k = 0 (nonregative number of the)
	A & 1 => 0 or 1 => Ho   Hy => all of them 2 condition : Kachalle from No 1 place = 0 or
	-> If you are starting from No, you can reach
Y	every markey M, i = 1. 4 = our example -

Liveness is also fulfilled, because every transition could fire the token, so we have a deadlock free process.

## **Exercise 8: Selling machine**

