...

$$q_2 \leftarrow \text{DHK}$$

self → DHK			
__init__		m_1	m_2
x	y	x	y
1	~~100~~ ~~102~~ 302	~~8~~ ~~2~~ 405	0
Return None			return 1
1	~~302~~ 502		0
			return 1
1	~~502~~ ~~504~~ 704	~~8~~ ~~2~~ 1209	0
			return 1
1	~~704~~ 904		0
			return 1

output
1 0
405 302
1 0
1 0
1209 704
1 0
1

$t_3 \rightarrow$ RAJ

self		Method A			Method B		
--init--							
sum	Y	X	Y	msg	mg2	x	mg1
$\emptyset$ 3̶5̶ 18	$\emptyset$ 3	2 9	3	List	List	$\emptyset$ 36	3̶ 41
return None		Return None				Return None	
18 6̶0̶ 30	3̶ 6	x 15	3̶ 6	List1	List1	$\emptyset$ 36	3̶ 41
		Return None				Return None	
3̶0̶ 7̶5̶ 42	6̶ 9	x 21	3̶ 9	List 2	List 2	$\emptyset$ 36	3̶ 41
		Return None				Return None	
4̶2̶ 9̶0̶ 54	$\emptyset$ 12	x 27	3̶ 12	List 3	List 3	$\emptyset$ 36	3̶ 41
		Return None				Return None	

List	List1	List 2	List 3
[0] [3̶] [6] ✗	[0] [3̶] [9] ✗	[0] [3̶] [12] ✗	[0] [3̶] [15] ✗

OUTPUT

```
36   3   39
 9   3   18
36   6   60
15   6   30
36   9   75
21   9   42
36  12   90
27  12   54
```

$q_2 \rightarrow$ TAN

self					method A		method B		
__init__									
x	p	temp	sum	y	X	y	temp	n	X
2	1	~~4~~ 5	~~0~~ 7 24 39	~~1~~ 4 10	~~0~~ 11	~~0~~ 4	~~5~~ 6	4	~~0~~ 7
Return None					Return None		Return 24		
2	1	5	~~39~~ 68 95	~~10~~ 16	~~0~~ 17	~~0~~ 10	~~5~~ 6	10	~~0~~ 13
					Return None		Return 68		

output

```
 2   4   7
 7  10  24
11   4  39
13  16  68
17  10  95
```