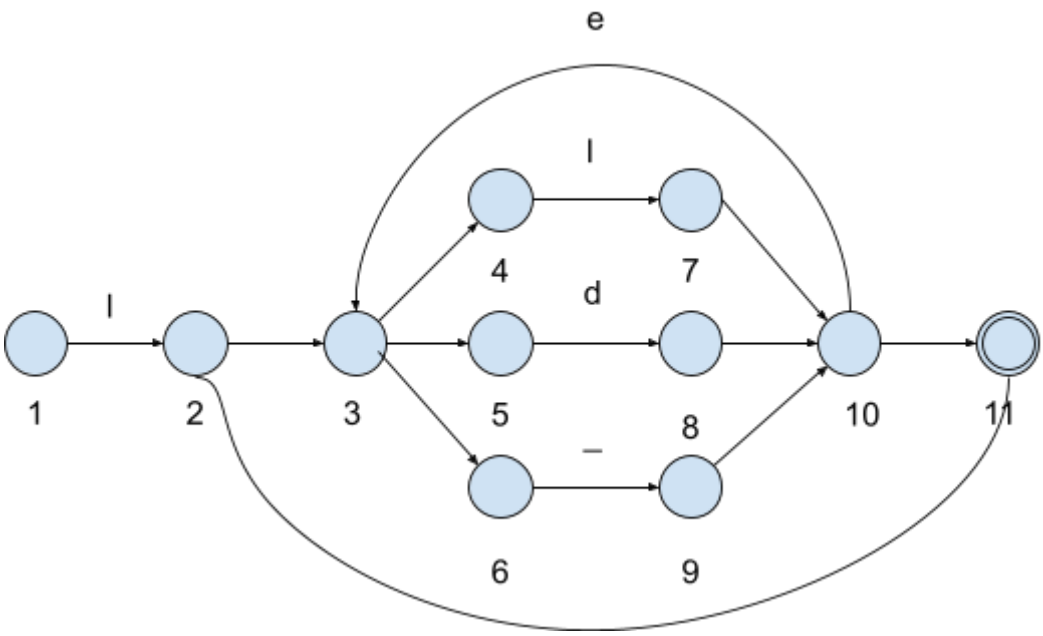
$\Sigma = \{A - B, a - b, 0 - 9, \_\}$
RE = l(l|d|_)*



NFSM Table

	l	**d**	**_**	**ε**
1	{2}	{ }	{ }	{ }
2	{ }	{ }	{ }	{3, 11}
3	{ }	{ }	{ }	{4, 5, 6}
4	{7}	{ }	{ }	{ }
5	{ }	{8}	{ }	{ }
6	{ }	{ }	{9}	{ }
7	{ }	{ }	{ }	{10}
8	{ }	{ }	{ }	{10}
9	{ }	{ }	{ }	{10}
10	{ }	{ }	{ }	{3, 11}
11	{ }	{ }	{ }	{ }

Epsilon Closure:

- 1 -> {1, 2} ==> {1}
- 2 -> {2, 3, 11} ==> {2, 3, 4, 5, 6, 11}
- 3 -> {3, 4, 5, 6}
- 4 -> {4, 7} ==> {4}
- 5 -> {5, 8} ==> {5}
- 6 -> {6, 9} ==> {6}
- 7 -> {7, 10} ==> {3, 4, 5, 6, 7, 10, 11}
- 8 -> {8, 10} ==> {3, 4, 5, 6, 8, 10, 11}
- 9 -> {9, 10} ==> {3, 4, 5, 6, 9, 10, 11}
- 10 -> {3, 10, 11} ==> {3, 4, 5, 6, 10, 11}
- 11 -> {11}

Updated Transition Table

	l	d	_
[1] = **0**	[2] => [2, 3, 4, 5, 6, 11] = **1**	[] = **5**	[] = **5**
[2345611] = **1**	[7] => [3, 4, 5, 6, 7, 10, 11] = **2**	[8] => [3, 4, 5, 6, 8, 10, 11] = **3**	[9] => [3, 4, 5, 6, 9, 10, 11] = **4**
[345671011] = **2**	[7] => [3, 4, 5, 6, 7, 10, 11] = **2**	[8] => [3, 4, 5, 6, 8, 10, 11] = **3**	[9] => [3, 4, 5, 6, 9, 10, 11] = **4**
[345681011] = **3**	[7] => [3, 4, 5, 6, 7, 10, 11] = **2**	[8] => [3, 4, 5, 6, 8, 10, 11] = **3**	[9] => [3, 4, 5, 6, 9, 10, 11] = **4**
[345691011] = **4**	[7] => [3, 4, 5, 6, 7, 10, 11] = **2**	[8] => [3, 4, 5, 6, 8, 10, 11] = **3**	[9] => [3, 4, 5, 6, 9, 10, 11] = **4**
[] = **5**	[] = **5**	[] = **5**	[] = **5**

Final DFSM:

	l	d	_
0	1	5	5
1	2	3	4
2	2	3	4
3	2	3	4
4	2	3	4
6	5	5	5