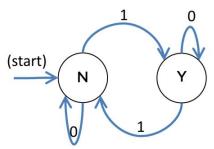
RES & DFAS WORKSHEET

1.	Consider the regular expression ((C D M N P T)A)*	
	a.	Is PAPA matched by this RE? Is MAMAN? Is NAPA? Is TAMPA?
	b.	Name two countries that are matched by this RE.
2.	RElay	Race - Write regular expressions for the following languages:
	a.	all binary strings
	b.	all non-empty binary strings
	C.	all binary strings beginning and ending with 1
	d.	all binary strings ending with 00 (divisible by 4)
	0	all binary strings with at least three 1s
	С.	all billary strings with at least timee 15
3.	Given	an English-language description of the language defined by the RE (0*10*10*)*?
3.	Given	an English-language description of the language defined by the RE (0*10*10*)*

4. BONUS: is it possible to define a RE for all binary integers divisible by 3?

RES & DFAS WORKSHEET

5. Consider this DFA:



- a. Is 01101 accepted by this DFA?
- b. Is 11?
- c. Given an English-language description of the language that this DFA recognizes.
- d. (Optional) Give a regular expression that defines the same language
- 6. Draw DFAs that recognize each of these languages from Question 2:
 - a. all binary strings
 - b. all non-empty binary strings
 - c. all binary strings beginning and ending with 1
 - d. all binary strings ending with 00 (divisible by 4)
 - e. all binary strings with at least three 1s