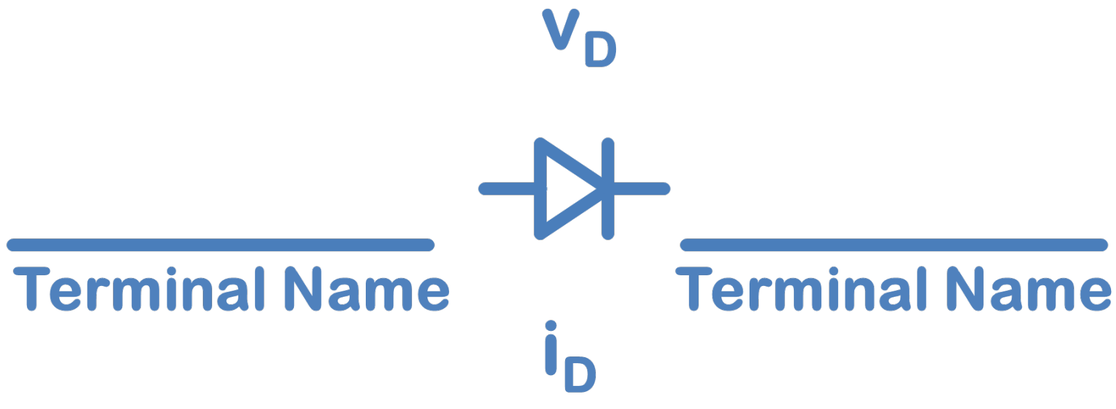
EECS312 Quiz 1

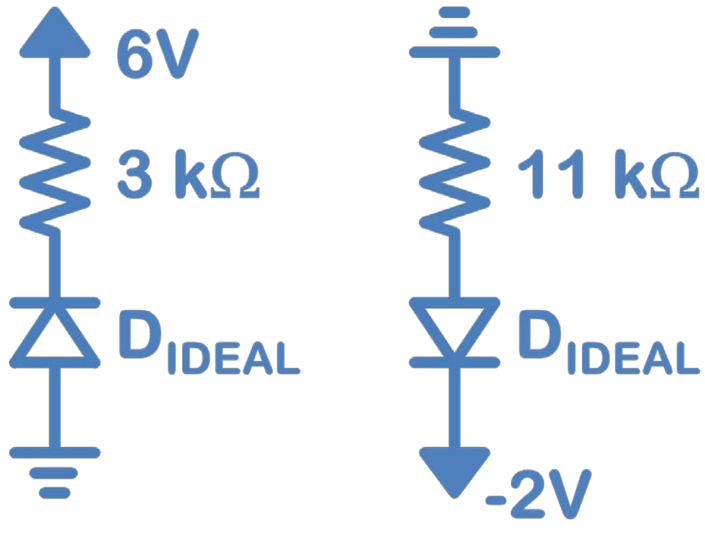
a) Fill in the Table below

BIAS	**Equality Variable**	**Equality Condition**	**Equivalent Circuit**	**Inequality Variable**	**Inequality Condition**
Forward Bias (FB)					
Reverse Bias (RB)					

b) label positive current and voltage directions and fill in the terminal names.



c) Find i_D and v_D for the two circuits below.

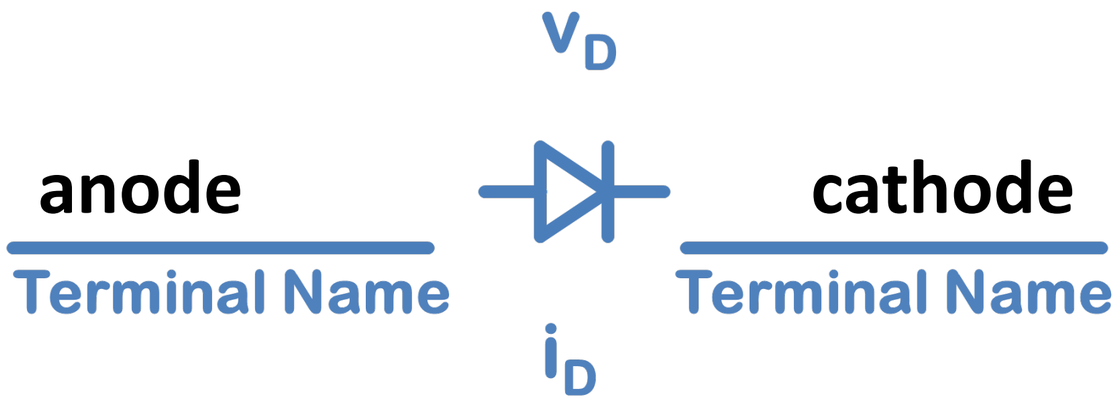


EECS312 Quiz 1

a) Fill in the Table below

BIAS	**Equality Variable**	**Equality Condition**	**Equivalent Circuit**	**Inequality Variable**	**Inequality Condition**
Forward Bias (FB)	v_D	$v_D=0$	short	i_D	$i_D>0$
Reverse Bias (RB)	i_D	$i_D=0$	open	v_D	$v_D<0$

b) label positive current and voltage directions and fill in the terminal names.



c) Find i_D and v_D for the two circuits below.

RB:

$i_D=0$

$v_D=-6V$

FB:

$v_D=0$

$i_D=(2/11)mA$