

Problem 11. (8 points):

Consider a **5-bit** two's complement representation. Fill in the empty boxes in the following table. Addition and subtraction should be performed based on the rules for 5-bit, two's complement arithmetic

Number	Decimal Representation	Binary Representation
Zero	0	
n/a	-2	
n/a	9	
n/a	-14	
n/a		0 1100
n/a		1 0100
TMax		
TMin		
TMin+TMin		
TMin+1		
TMax+1		
-TMax		
-TMin		