

# Tutorial 6

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ET0917 / ET0817 / ET0832

DATA MANIPULATION AND MATH INSTRUCTIONS



# Learning Outcome

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Apply common instruction set such as

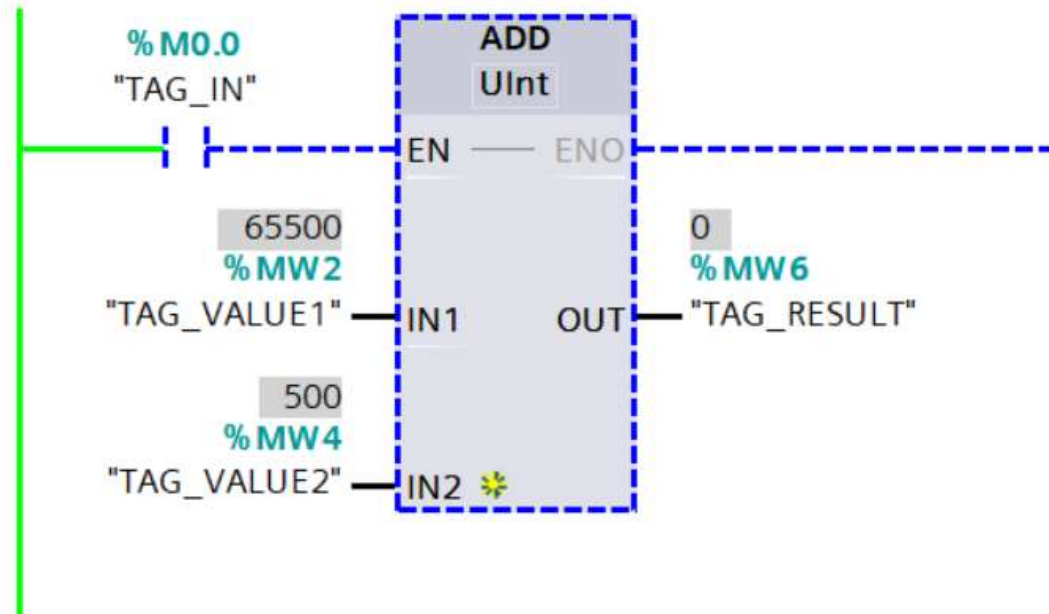
- Math
- Logic Word
- Move
- Compare

# Q1 - MCQ

When TAG\_VALUE1 = 65500 and TAG\_VALUE2 = 500, what will TAG\_RESULT be when TAG\_IN=1?

Note: Declared as UINT Data Type

- a) 0
- b) 464
- c) 66000
- d) ERROR

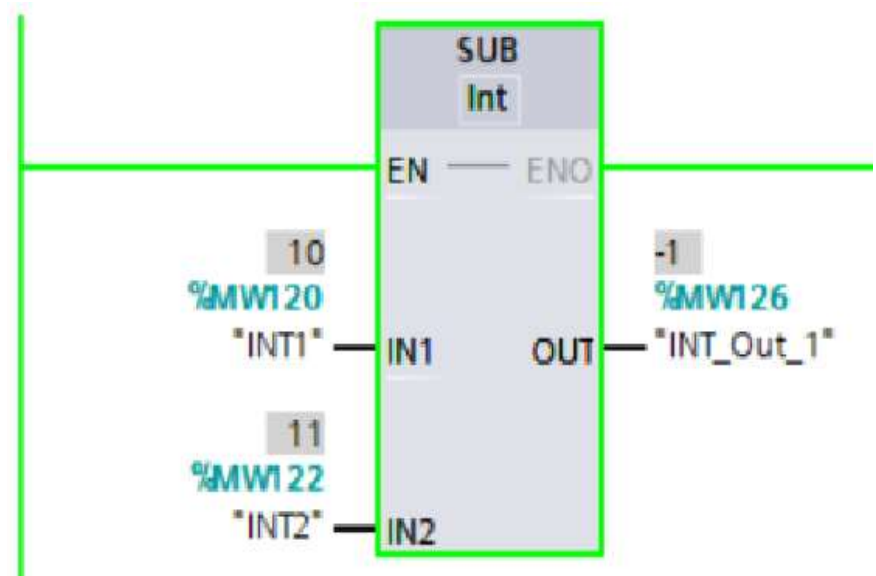


## Q2 - MCQ

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In order to get the correct value for subtraction, what is the correct data type to assign to "INT\_Out\_1"?

- a) Boolean
- b) REAL
- c) Integer
- d) Unsigned Integer

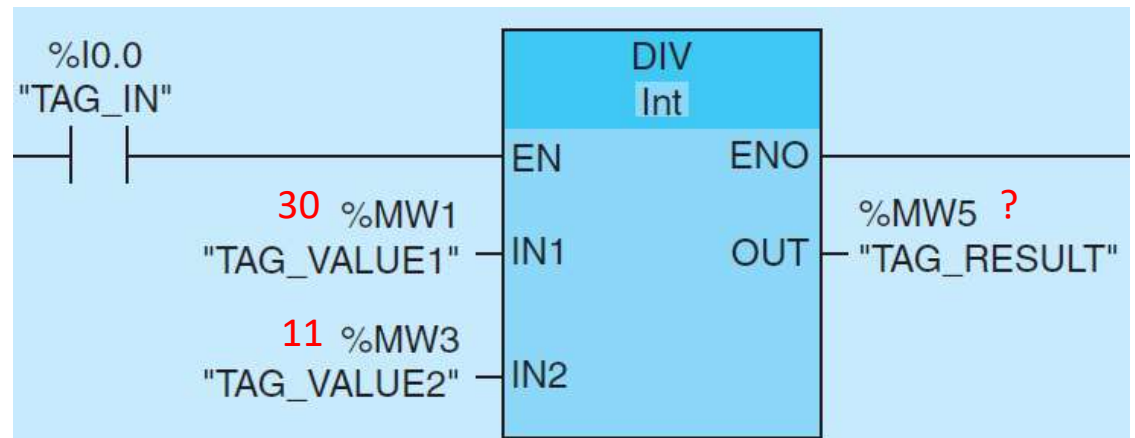


## Q3 - MCQ

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What is the output of TAG\_RESULT? When "TAG\_IN"=1?

- a) 1
- b) 2
- c) 2.727
- d) 3

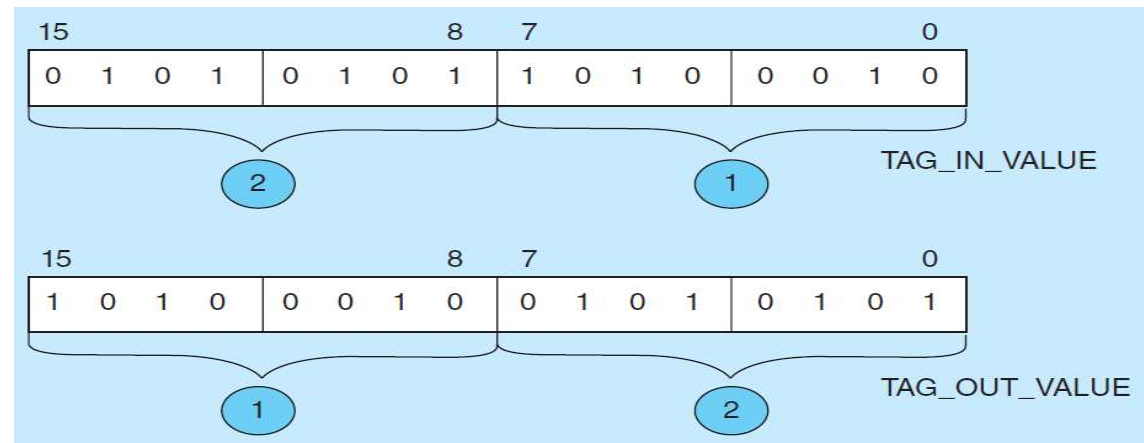


## Q4 - MCQ

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What is the suitable instruction to use to achieve the “TAG\_OUT\_VALUE”?

- a) AND
- b) MOVE
- c) SWAP
- d) COMPARE



## Q5 - MCQ

Study network 1 and 2, What are the values of "Counter0\_Acc" for "SV1" to turn on?

- a) 59
- b) 60
- c) 61
- d) It will not turn on due to wrong use of instruction

