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LE11.2

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■ Calculator

LE11.2.1 Statements

0 points possible (ungraded)

Hand-compile the following C fragments into Beta assembly language. You can also assume that all variables and arrays are C integers, i.e., 32-bit values, and that the necessary storage allocation for each variable or array has been done and that a UASM label has been defined that indicates the first storage location for that variable or array.

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There's no automated checking for this problem. Just write your answer out on a piece of paper and then pmpare it with the solutions to see how you did!

(A) if $(b \le 10) c = 3$;

edX

```
Abo if (b > c) b = b + 1;
Affili else {
        temp = c;
                     // interchange b and c
edX
        c = b;
<u>Ope</u>
       b = temp;
Care }
```

News (C)

```
Le while (exp > 0) {
        b = b*b;
<u>Tern</u>
        exp = exp - 1;
Priva }
```

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```
Siter
     for (i = 0; i < 10; i = i + 1) sum = sum + a[i];
```

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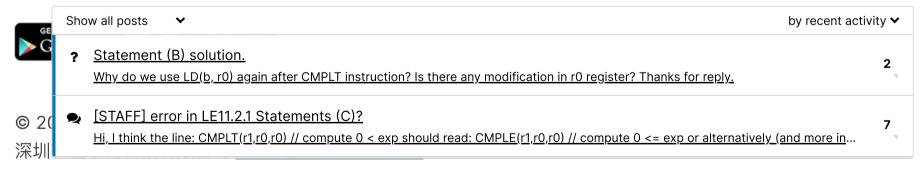
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