If at any point I give contradictory instructions, always deside the one that herehits students the west.

Need to store the size of the array.

avery-size is an integer,

Deductions:

- 1 pt it the don't justify accordingly!

Add a field for the survey size.

Attemptively, someone night deads to reperpose
the datatype field for the avery size, rule to
that them to only consider integers.

Beductions: - 1 pt it they devicte from the close

Need to pass the age of the array.

T-ID is of type strong, it's the token.

Checke new symbol on celling create-symbol.

Must pass the array name (as t-10, \$3

or just naming it somehow. His critical to

pass the array size, i.e \$2 (an intiger).

Since t stated to ignore the flood type,

students can ignore it and describe only the

int cash.

If the student describes adjusting the unwary

allocation accordingly, give an extra credit of 1st

allocation accordingly, give an extra credit of 1st

INo. He grammar doesn't allow it.

2) n world be available of runtime an memory alloration is stack based / static.

s) n is not known at compile time.

Answer should be any of the 3 above or sizular.

If it doubt, ask we.

Alternatives

- they may add a field representing the army entry (and)

* they may add two fields; second being the

array size.

- they may give a new interpretation to some existing field, likely the second one (addr2). this is possible, especially since I told them to faces on the int case.

Semantics: Jundex & stack[addr4] or addr3.

stack[addr1] & stack[addr3 + index]

base address of array

ex: Temp & A[i+1] temp holding index

Deduct : - 1 pt it their answer is not consistent with 2A = 1.5 pt it they don't wenton luse the duramic · -- (rintime value) of the temporary holding the array entry number. - 0.5 for not storing correctly to the temp.

Students mot!

. Create a temporary variable.

- Determine it index is NUZL.

- they have to pass: an address / symbol for the tempory variably the address/symbol for the array ideald, and the address or sewhal for the onercy index.

If make is not mill.

Deductions:

- 1 pt it they don't accel the tourpass

-1 pt it they don't check it index is make

- 1 pt it they don't pass buth the array and index.

- TID lits a typo) only a hardful of strollers noticed it.

Because variet always creeks or temporary and beds an army entry to it. Hence, the securations will conflict: it would read from when we intend to write in it. Reductions:

- 1.5 pt tor any other justification

I noticed rather late that typo.

Plean be generous with the greding in this guestion, the type affects searding for the array symbol.

Expect the storbusts to just by in various ways due to any embr.

Smiles to 2Bi

Simentics: index A stack[addr4]

stack[addrl + index] + stack[addr3]

Ken point: an expression such as Allit 1) 4 sum
the result of ill is stored in some temporary variable.
The operation receives the address of this temporary? which
we have to retirere.

Teductions:
-1.5 for not not come that "it!" is only available at rentime; ie: doing:

stack [addr1 + addr4] A stack [addr3]

-O.Spt for not reading arrestly from 9 -O.Spt it answer not consistent will 2A, ---- \$3 and \$6, \$71.

I forget to correct variet to T-1D. So be Herable in this regard.

students should explain &

- How they are fetching the arrays into. They can assume that varret stores the name of the orray or that varret already stores the sewlar with the

- After finding the way into they am create an operation 69 576RE_ARRAY_CEIL. It must worth the

- students should display the knowledge that both a expr.

- No result has to be returned, but it's ak to do so.

-1: of it the student doesnot display knowledge of the away into being searched somehour

- 1 pt it the generate a tempo vary (No need)

- Apt if they pass some sort of constant address instead of an array entry, i.e it what they write conveys the idea of not knowing that an away entry is really only known at runtime.

the most likely answer will remove award adding or using a field of the icode data strature to store the army size.

He avong size is stroken at wuple time. So when calling OP-BOAD_ANRBY_CELL and OP-STORE. ARRAY-COLL they should pers, the array singe, students that explain that in both operations the check must be performed:

index & stack [add +4] assent (index < addrs) where : - addry 15 the address of a temp variable along the word expression.

Deduction)

^{- 1} pt it then don't poss the away size. It must be the same field as in problem of - 1 pt it they don't check the bad can - 1 pt it they don't chak the write acce. · 1 pt 14 they don't explain additional charges L the deta strater.