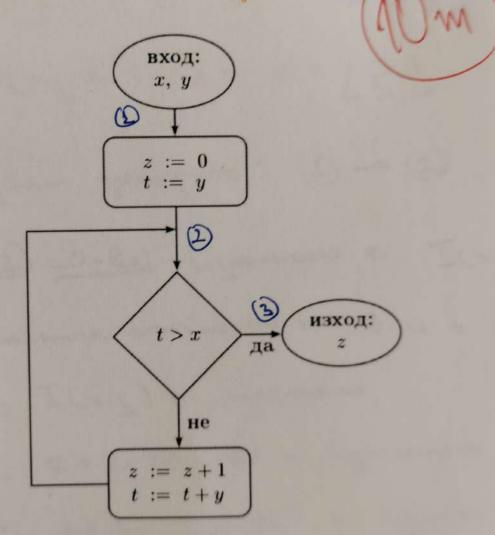
вариант	ф. номер	група	поток	курс	специалност
A	45655	11		3	und.
Име:	hours.	1 34	Down		

Първо контролно по СЕП, Информатика, 08.04.2024

Задача. Докажете тотална коректност на програмата относно:

входно условие $I(x,y) \Longleftrightarrow x \in \mathbb{N}$ & $y \in \mathbb{N}^+$ и изходно условие $O(x,y,z) \Longleftrightarrow z = \lfloor \frac{x}{y} \rfloor$.



Успех! =

LEW

3-

) ,

-

43

notice Bupyol . On: 45655 berola DICKS) C= - XEND & YEN, @ B(x1, 2, 6) <== I(x1) & ZEN & tENT & Z & & 8 Z= = -1 (3) O(xy.2) z=> 2= | = | = | Douglan pergere: (D - 2), (D - 2), (D - 3) (1)=(2) D-G: hymenner e I(x), T.e. XEN& JEN'. franciente curince no 2 u t ca: 20 = 0 u to = 3 1. I () e muremeno 2. 2 = 20 =0 6 N e yourse 2. t= 60 = 4 E IN+ e youren (no jew Care) 4. Z = x, r.e. 0 = x - yyucquew e 5. 2 \$ t - 1 , r.e 0 \$ \frac{1}{2} - 1 = 0 - lopmo 1...5 0-0 e 6 ans. (Aw I O. j) e 6 and, wa B (xy 2, 8) e (2) - (2) D-Go! here e C and Bexis, 2, t) ! Douglan, 2 e grener B(x1, 2', t'), regero Z' u t' ca crejlagure croincer me z u b. 1. B(x,1,2,8) < 6 and, such I(x,1) e uguerneno 2. ? E'e IN; Z' = Z+A, ZEIN, copoliseno Z'EIN 5. ? t'EN+; t'= t+1, tell+, JEN+, sum t's 11+ 4. FEE JECTH ? Z'= X ; Z'= Z+ & = = - 3+ A = = = ho tex (no ynothe),

S. hu jogram cramya "

5. ? $2^{i} = \frac{1}{5} - 1$; $2^{i} = 2 + 1 = \frac{1}{5} - 4 + 1 = \frac{1}{5} + \frac{1}{5} - 1 = \frac{1}{5} - 1$; $2^{i} = 2 + 1 = \frac{1}{5} - 4 + 1 = \frac{1}{5} - 4$ $= \frac{1 + 5}{5} - 1 = \frac{1}{5} - 1$, volynow to zono $2^{i} = \frac{1}{5} - 4$ $= \frac{1 + 5}{5} - 1 = \frac{1}{5} - 1$, volynow to zono $2^{i} = \frac{1}{5} - 4$ $= \frac{1 + 5}{5} - 1 = \frac{1}{5} - 1$, volynow to zono $2^{i} = \frac{1}{5} - 4$ $= \frac{1 + 5}{5} - 1 = \frac{1}{5} - 1$ $= \frac{1 + 5}{5} - 1 = \frac{1}{5}$

Dan sporpation zulapoule zu been loog zoberlopalary I(xy)? Dangenan, ze ne zalapoule zu nevoi loog x,y. Torale use spermen Sezopoù mouro ven spez spolepean u spoz senoro na zuveza. Paplonazarina croinor na te $t=y = 2 \cdot 1$. Non leavo apermulane spez terozo glemalane te $y \in 100 \cdot 100$. Torale chez x na spoi spermulana spez terozo ge $y \in 100 \cdot 100$. Le zoberen spez $y \in 100 \cdot 100$. Le zoberen spez $y \in 100 \cdot 100$. Le zoberen spez parara zu la poula za leem long apermeno, $y \in 100 \cdot 100$. Crezolaterno spez parara e toranto vopermeno. D