Dashboard / Courses / University / 2021-2022 / Spring 2022 / Bachelors / Block 2 Bs / [S22]ACC&PA / Quizzes — 10% / Quiz 1 — Mar 24 from 9:10 to 9:20 (10 minutes) Started on Thursday, 24 March 2022, 9:10 AM State Finished Completed on Thursday, 24 March 2022, 9:18 AM Time taken 8 mins 21 secs Marks 2.67/4.00 **Grade 6.67** out of 10.00 (67%) Question 1 Incorrect Mark 0.00 out of 1.00 Evaluate the following open untyped lambda term with boolean expressions using call-by-value strategy. ((λx.λy.λz.x) (if y then false else true)) true false Select one: a. if y then false else true b. if y' then false else true o. false d. true e. None of the above Your answer is incorrect. The correct answer is: if y then false else true

https://moodle.innopolis.university/mod/quiz/review.php?attempt=110308&cmid=75423

Question 2

Correct

Mark 1.00 out of 1.00

Match the following normal untyped lambda terms with corresponding nameless representations.



Your answer is correct.

The correct answer is:

 $\lambda x. \lambda y. x (\lambda x. y x) \rightarrow \lambda \lambda 1 (\lambda 1 0),$

 $\lambda x. \lambda y. y (\lambda z. x y) \rightarrow \lambda \lambda 0 (\lambda 2 1),$

 $\lambda x. \ \lambda x. \ x \ (\lambda y. y \ x) \rightarrow \lambda \lambda \ 0 \ (\lambda 0 \ 1),$

 $\lambda x. \lambda y. x (\lambda z.y x) \rightarrow \lambda \lambda 1 (\lambda 1 2), \lambda x. \lambda y. x (\lambda y.y x) \rightarrow \lambda \lambda 1 (\lambda 0 2),$

 $\lambda x. \lambda y. x (\lambda z. y z) \rightarrow \lambda \lambda 1 (\lambda 1 0)$

Which of the following terms in untyped lambda calculus with boolean and numeric expressions are values? ■ a. (kx.x) false ■ b. succ (succ (succ 0)) ■ c. false ■ d. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Question		
Which of the following terms in untyped lambda calculus with bodean and numeric expressions are values? a. (Axx) false b. succ (succ (succ 0)) c., false d. Axx e. tue f. if x then false else true g. Ax.(x false) h. 0 Your answer is partially correct. You have correctly selected 4. The correct answers are: true, false, 0, succ (succ (succ 0)), Axx, Ax(x false) In untyped lambda calculus, t → t and t → t', it is always true that t' = t'. Select one: True ✓ False See Theorem 3.5.4 of TaPL. The correct answer is True'. ✓ Stage 4. Final Design, Implementation & Presentation — by May 26			
a. (xxx) false b. succ (succ (succ 0)) c. false d. \(\lambda xx\) e. true f. if x than false else true g. \(\lambda x\) (x false) h. 0 Your answer is partially correct. You have correctly selected 4. The correct answers are: true, false, 0, succ (succ (succ 0)), \(\lambda x.x\), xx.(x false) Curestion 4 Correct Mark 1.00 out of 1.00 In untyped lambda calculus, t → t' and t → t', it is always true that t' = t''. Select one: **True ✓* False See Theorem 3.5.4 of TaPL. The correct answer is 'True'. Stage 4. Final Design, Implementation & Presentation — by May 26	WIGHN 0.07		
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		Ouiz 2 — Mar 30 from 10:50 to 11:00 (10 minut	001