

CS 3723: Programming Languages

Feb 27, 2012

You Name:

1. Which of the following can be used as patterns in ML programming?

- (a) `nil`
- (b) `[3,x]`
- (c) `[x,x]`
- (d) `(2,y,z)`
- (e) `x1 :: x2 :: x3`
- (f) `{f1 = y1, f2 = y2}`
- (g) `x + y`
- (h) `ref x`

2. Which of the following ML programs can be compiled without errors?

- (a) `fun sum(nil) = 0 | sum(x1::x2) = sum(x1) + sum(x2);`
- (b) `fun sum(nil) = 0 | sum(x1::x2) = x1 + sum(x2);`