

Homework 2: Regular Expression Bonus (due Wednesday, October 19, 2005)

For up to 10 bonus points on Homework 2:

1. What do the following regular expressions match?

(a) `/asd*f/`

(b) `/as?d*f/`

(c) `/as+d.f/`

(d) `/as(df)+gh/`

(e) `/[btw]alk(ing|s)?/`

2. Write regular expressions to match the following:

(a) `jkl, jkkl, jkkkl, jkkkkl, ...`

(b) `hi, his, hiss, hisss, hissss, ...`

(c) `land, laland, lalaland, lalalaland, ...`

(d) `book, cook, rook, books, cooks, rooks`

(e) `joke, joking, poke, poking, zoke, zoking`