Problem Set 5
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Problem 1:

<expr> = <expr> * <expr>

| <expr> * <int>

| <expr> * −<nat>

| <expr> * −<digit><nat>

| <expr> * −0<nat>

| <expr> * −0<digit>

| <expr> * −07

| <expr> + <expr> * −07

| <expr> + <nat> * −07

| <expr> + <digit> * −07

| <expr> + 2 * −07

| <int> + 2 * −07

| <nat> + 2 * −07

| <digit><nat> + 2 * −07

| <digit><digit> + 2 * −07

| <digit>2 + 2 * −07

| 12 + 2 * −07

Problem 2:

<stmt> ::= for <id> = <expr> to <expr> do <stmt>

| for <letter> = <expr> to <expr> do <stmt>

| for x = <expr> to <expr> do <stmt>

| for x = <int> to <expr> do <stmt>

| for x = −<nat> to <expr> do <stmt>

| for x = −<digit><nat> to <expr> do <stmt>

| for x = −1<nat> to <expr> do <stmt>

| for x = −1<digit> to <expr> do <stmt>

| for x = −12 to <expr> do <stmt>

| for x = −12 to <int> do <stmt>

| for x = −12 to <nat> do <stmt>

| for x = −12 to <digit><nat> do <stmt>

| for x = −12 to 1<nat> do <stmt>

| for x = −12 to 1<digit> do <stmt>

| for x = −12 to 10 do <stmt>

| for x = −12 to 10 do {<stmts>}

| for x = −12 to 10 do {<stmt>; <stmts>}

| for x = −12 to 10 do {<id> = <expr>; <stmts>}

| for x = −12 to 10 do {<letter> = <expr>; <stmts>}

| for x = −12 to 10 do {y = <expr>; <stmts>}

| for x = −12 to 10 do {y = <int>; <stmts>}

| for x = −12 to 10 do {y = 0; <stmts>}

| for x = −12 to 10 do {y = 0; pass}