start -> KPACKAGE KMAIN statement import\_statement statement main\_statement statement

import\_statement -> KIMPORT STRING | empty

main\_statement -> KFUNC KMAIN ‘(‘ ‘)’ ‘{‘ statement ‘}’

statement -> global\_statement statement

| if\_statement statement

| switch\_statement statement

| for\_statement statement

| func\_statement statement

| assign\_statement statement

| io\_statement statement

| empty

global\_statement -> func\_statement global\_statement

| global\_assign\_statement global\_statement

| empty

if\_statement -> KIF condition ‘{‘ statement ‘}’ else\_statement

else\_statement -> KELSE KIF condition ‘{‘ statement ‘}’ else\_statement

| KELSE ‘{‘ statement ‘}’

switch\_statement -> KSWITCH ‘{‘ case\_statement ‘}’

| KSWITCH ID ‘{‘ case\_var\_statement ‘}’

case\_statement -> KCASE condition ‘:’ statement case\_statement

| KDEFAULT ‘:’ statement

| empty

case\_var\_statement -> KCASE expression ‘:’ statement case\_var\_statement

| KDEFAULT ‘:’ statement

| empty

for\_statement -> KFOR for\_condition ‘{‘ statement ‘}’

| KFOR condition ‘{‘ statement ‘}’

| KFOR range\_statement ‘{‘ statement ‘}’

| KFOR ‘{‘ statement ‘}’