DECLARE numVotes : INTEGER  
DECLARE percOne : REAL  
DECLARE percTwo : REAL  
DECLARE percThree : REAL  
DECLARE percFour : REAL

numVotes = groupStudents – voteAbstentions

OUTPUT “The total number of votes cast were: ” & numVotes & “ votes.”  
OUTPUT “The total number of abstentions were: ” & voteAbstentions

percOne = (CandidateVotes[1] / numVotes) \* 100  
OUTPUT “Candidate name: ” & candidateNames[1]  
OUTPUT “Number of votes: ” & candidateVotes[1]  
OUTPUT “Percentage votes: ” & percOne & “%”

IF numCandidates >= 2 THEN

percTwo = (CandidateVotes[2] / numVotes) \* 100  
OUTPUT “Candidate name: ” & candidateNames[2]  
OUTPUT “Number of votes: ” & candidateVotes[2]  
OUTPUT “Percentage votes: ” & percTwo & “%”

IF numCandidates >= 3 THEN

percThree = (CandidateVotes[3] / numVotes) \* 100  
OUTPUT “Candidate name: ” & candidateNames[3]  
OUTPUT “Number of votes: ” & candidateVotes[3]  
OUTPUT “Percentage votes: ” & percThree & “%”

IF numCandidates = 4 THEN

percFour = (CandidateVotes[4] / numVotes) \* 100  
OUTPUT “Candidate name: ” & candidateNames[4]  
OUTPUT “Number of votes: ” & candidateVotes[4]  
OUTPUT “Percentage votes: ” & percFour & “%”

ENDIF

ENDIF

ENDIF

IF numCandidates >= 2 THEN

IF percOne = percTwo THEN

OUTPUT “The elections are to be run again with candidates ” &   
 candidateNames[1] & “ and” & candidateNames[2]

ENDIF

ENDIF

IF numCandidates >= 3 THEN

IF percOne = percThree THEN

OUTPUT “The elections are to be run again with candidates ” &   
 candidateNames[1] & “ and” & candidateNames[3]

ENDIF

IF percTwo = percThree THEN

OUTPUT “The elections are to be run again with candidates ” &   
 candidateNames[2] & “ and” & candidateNames[3]

ENDIF

ENDIF

IF numCandidates = 4 THEN

IF percOne = percFour THEN

OUTPUT “The elections are to be run again with candidates ” &   
 candidateNames[1] & “ and” & candidateNames[4]

ENDIF

IF percTwo = percFour THEN

OUTPUT “The elections are to be run again with candidates ” &   
 candidateNames[2] & “ and” & candidateNames[4]

ENDIF

IF percThree = percFour THEN

OUTPUT “The elections are to be run again with candidates ” &   
 candidateNames[3] & “ and” & candidateNames[4]

ENDIF

ENDIF