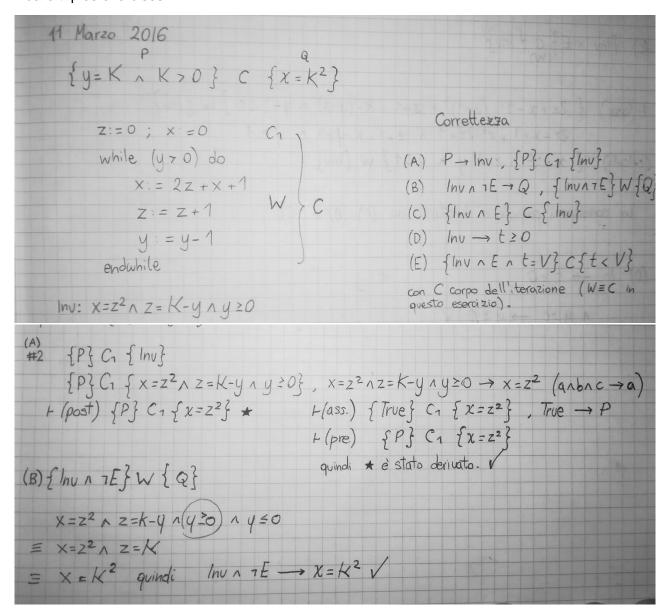
Hoare triples exercises



(c) $\{\ln v \land E\}_{(W)}^2 \subset \{\ln v\}$ +(ass.) $\{2z + x + 1 = (z + 1)^2 \land z + 1 = K - (y - 1) \land y - 1 \ge 0\} \bowtie \{\ln v\}$ $2z + x + 1 = z^2 + 2z + 1 \land z + 1 = k - y + 1 \land y \ge 1$ (colcolo) $\{x = z^2 \land z = K - y \land y \ge 1\} \bowtie \{\ln v\}$ La correttezza parziale \tilde{e} dimostrata da (A), (B) e (C)(D) $\ln v \rightarrow t \ge 0$ $\therefore \land y \ge 0 \rightarrow y \ge 0 \checkmark$ (E) $\{\ln v \land E \land y = V\} \subset \{y < V\}$ $\Rightarrow (E) \{\ln v \land E \land y = V\} \bowtie \{y < V\}$ $\Rightarrow (E) \{\ln v \land E \land y = V\} \bowtie \{y < V\}$ $\Rightarrow (E) \{\ln v \land E \land y = V\} \bowtie \{y < V\}$ $\Rightarrow (E) \{\ln v \land E \land y = V\} \bowtie \{y < V\}$ $\Rightarrow (E) \{\ln v \land E \land y = V\} \bowtie \{y < V\}$ La correttezza totale \hat{e} dimostrata dalla correttezza parziale e (D), (E).