1.

(i)

(1, -1, 2, 1) + (1, 0, -2, 1) -> (2, -1, 0, 2) -> (1, -0.5, 0, 1)

(ii)

Using -> Text

Description automatically generated with low confidence A picture containing text, black, scoreboard

Description automatically generated -> Graphical user interface

Description automatically generated

(iii)

Calendar

Description automatically generated with medium confidence \* Graphical user interface

Description automatically generated with medium confidence -> Graphical user interface

Description automatically generated

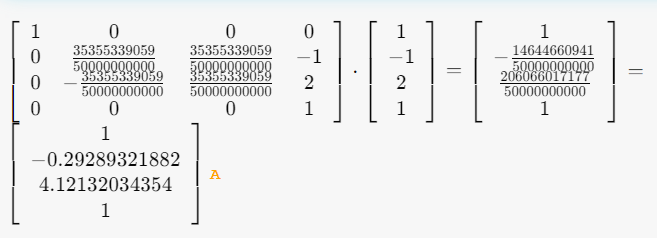
(iv)

Conversion to homogeneous coordinates

X -> [1, -1, 2, 1] = Xh

H2 \* (H1 \* Xh)

H1 \* Xh = Xh1



H2 \* Xh1 = Xh2

