จิรันกัสภษาทำการลดมีตั้งอมูลจาก 2 มีติจิรัน เมลือ 1 มิติโดชโช้นั้นตอนของ Principal con ponent A กอบโบรเร (PCA) กับชุดข้อมูลที่ตั้งนมดให้ต่อไปนี้ โจกษ์ปัญญา

| 5 | 0 |
|-----|--------|
| 1 + | В |
| 2 | A |
| × | NOWUNA |

| = KXS | 11 11 11 11 11 11 11 11 11 11 11 11 11 | B = (-0.9) $C = (0.9)$ $0 = (1.9)$ | $A(2,1), B(4)$ $Menn = \overline{X}$ $A = (-2, -2)$ |
|--|--|--|---|
| $(-2.5^2 + (-0.5^2) - 0.5^2 - 0.5^2 - 0.5^2) + (-0.5)(-0.5)(-0.5) + (-0.5)(-0.5)(-0.5) + (-0.5)(-0.5)(-0.5) + (-0.5)(-0.5)(-0.5) + (-0.5)(-0$ | X = (2+4+5+7) / 4 = 18 / 4 = 4.5 Y = (1+3+5+5) / 4 = 14/4 = 3.5 X = (2+4+5+7) / 4 = 14/4 = 3.5 X = (2+4+5+7) / 4 = 18 / 4 = 3.5 X = (2+4+5+7) / 4 = 18 / 4 = 4.5 | $B = \{-0.5, -0.5\}$ $C = \{0.5, -1.5\}$ $D = \{1.5, 1.5\}$ | A(2,1), $B(4,3)$, $C(5,5)$, $D(7,5)Men_1 = \overline{x}, \overline{y} = (4.5, 3.5)A = (-2.5, -2.5)$ |
| 3 (-0.5)(-0.5)+0 | +4 + 5 + 7 $ 4 = 18 4 = 1+3 + 5 + 5$ $ 4 = 14 4 = 1+9.5^2 + 10.5^2 + 0.5^2 + 0.5^2 = $ | $+ \lambda_{2} \approx 0.3182$ $+ \mu_{1} \approx 0.3182$ $+ \mu_{1} \approx 0.3182$ | = 4,333 = 3,667 \$\lambda_1 \times_1 |
| = 11 2 3.6b | 4, > 3, S = 1/3 ≈ 4.33333 | 8182 | 17 A A 618 |
| 11 2 3,667 | | 1 | A = -3.5319 $B = -0.7069$ $C = 13809$ $C = 13809$ |

S