7 12 + 22 + 32 + ... + 112 = 1 (2 11 +1) - Topic A no.7 | Muhammad Ratif

Bukti :

apabila
$$n = k$$
 \longrightarrow maka $1^2 + 2^2 + 3^2 + ... + k^2 = \frac{k(k+1)(2k+1)}{6}$ (1)
(1) \longrightarrow (12 | 22 | 22 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (12 | ... + (1

$$(1) \longrightarrow (1^{2} + 2^{2} + 3^{2} + \dots + (k+1)^{2} = (k+1)(k+1)^{2} = (k+1)(k+1)^{2} = (k+1)(k+1)^{2} = (k+1)(2k+1) + (k+1)^{2} = (k+1)(2k+1) + (k+1)^{$$

=
$$k(k+1)(2k+1) + 6(k+1)^{2}$$

= $(k+1)[k(2k+1) + 6(k+1)]$
= $(k+1)(2k^{2} + 2k+6)$
= $(k+1)(k+2)(2k+3)$

Topic B

bagian kiri (2) = kanan bayian (2)

proves the inductive step.

positive integer
$$n \rightarrow \text{True}$$

Premis 1: "Hari ini tidak cerah dan terasa dingin"

Premis 2: "Jika tidak cerah, kami tidak akan berenang"

Premis 3: "Jika kami tidak berenang, maka kami akan berselancai"

Premis 4: "Jika kami berse lancari maka kami pulang lepih awai"

Kesimpulan: "Kami pulang lebih awai"

Premis 1: P

1. P

2: Q

3: Q

3: Q

4. P

3: Q (modus porens)

4. P

1. P

P
$$\rightarrow$$
 Q

A \rightarrow A

Maka

Solvei: ... Q

4. P

-- P

mara argumen diatas = valid