Solution (a) I agree.

O Industry 4.0

(1) feasons

Millions of sensors, robots and controllers are reachable over TCP/IP; most run outdoth firmwork and week authentication

Digital transformation

Reason: Data and identities more to Saas

faster than security team controls.

(3) COVID-19

The sudden shift to remote work increased reliane on VPNs, unsecured home networke and aid - ha collaboration tooks.

Phishing campaign exploited.

4 Solutions

(1) Zero-trust net oork segment (2) cupdate firm work.

(3) Secure by Design (4) Employee Trainer 3 Fac-lor

(1) expanded attal Surface

(1) Automation and scale

()) human elemene

(b) (i) packets number =
$$\frac{1000 \times 10^{6}}{32 \times 102 \times 8}$$
= 3814,697 2

around 3814

$$\frac{(ii)_{\text{numbers}} = \frac{(000 \times 10^6)}{64 \times 1024 \times 8}$$

=1907.3486

arovis 1907

decrease