Use case 2

$P_1 = \bar{c} \triangleleft ok \,;\, c \left[\begin{array}{l} request2(\tilde{x}_2); Q_2 \\ \vdots \\ reserve \triangleright Q \quad (= \text{if ok then}) \\ abort \triangleright \emptyset \end{array} \right]$

Server

Client

$Client(a) = \bar{a}(c)\, C(y).\, \bar{y} \triangleleft request\langle \tilde{v} \rangle ; Q_c$

2-a

$Q_c = y \left[\begin{array}{l} ok \triangleright ; \bar{y} \triangleleft reserve\langle client\_id,\ id \rangle ; \\ not\_ok \triangleright . ; \bar{y} \triangleleft abort \end{array} \right]$

2-b

~~~ $\Longrightarrow$ (replaced by) $\bar{y} \triangleleft request2\langle \ldots \rangle$

2-c

~~~ $\Longrightarrow$ (replaced by) $Client(a)$

cf. $A\langle a \rangle = \ldots A\langle a \rangle$