ISSN 0146-4116, Automatic Control and Computer Sciences, 2022, Vol. 56, No. 7, p. 828. © Allerton Press, Inc., 2022.
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ERRATA

Erratum to: On the Detection of Exploitation of Vulnerabilities That Leads to the Execution of a Malicious Code

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Submitted November 22, 2022; accepted for publication November 22, 2022

DOI: 10.3103/S0146411622070094

Page 830. The original article contains an inaccurate description of the algorithm CheckTrace. The correct algorithm CheckTrace should be as follows:

Algorithm 1. *CheckTrace*

Initial parameters: (1) sequence $\mathrm{Path}_{t_2}(P(I))$ of type (1) and length n_I $(I \notin \mathcal{J}(P))$,
(2) profile $\mathcal{D}_{t_1}(P)$ of type (5) and profile $\mathcal{C}_{t_1}(P, l)$ of type (6),
(3) threshold T of detecting untypical execution.

Result: Message about a `not typical` or `typical` sequences of API calls

```
result = typical, counter = 0
execute cycle k = 1, ..., n_I
    if k ≥ 1 and (n^{t2,I}_{k−l+1}, ..., n^{t2,I}_k) ∉ C_{t1}(P, l), then
        result = not typical
        Exit cycle
    End of condition
    if k ≤ n_I − 1, then
        d = d^{t2,I}_{k,k+1} − Δ^{t1,t2,I}_{k+1} + Δ^{t1,t2I}_k
        if d ∈ ⌊d^{t1}_min(P) : d^{t1}_max(P)⌉, then
            if d ∉ D_{f^{t2,I}_k, f^{t2,I}_{k+1}}, then
                counter = counter + 1
                if counter ≥ T + 1, then
                    result = not typical
                    Exit cycle
                End of condition
            End of condition
        End of condition
        Otherwise
            result = not typical
            Exit cycle
        End of condition
    End of condition
End of cycle
return result
```

The original article can be found online at
https://doi.org/10.3103/S0146411621070233