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- Varman, P. and K. Doshi, An efficient parallel algorithm for updating minimum spanning trees 58 (1-3) (1988) 379-397
- Velinov, Y., An algebraic structure for derivations in rewriting systems 57 (2, 3) (1988) 205-224

- Veni Madhavan, C.E., *see* V.S. Lakshmanan 54 (1) (1987) 103-128  
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Von Zur Gathen, J., Factoring polynomials and primitive elements for special primes 52 (1, 2) (1987) 77-89  
Vyskoč, J., An  $O(n^{\lg k} 2^{n/2})$  time and  $O(k \cdot 2^{n/k})$  space algorithm for certain NP-complete problems (Note) 51 (1, 4) (1987) 221-227  
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