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Denial of Password Deduction Attacks and to Make the Genuine User Feel Better Satisfaction in Login Using Password Guessing Resistant Protocol

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Abstract: Password attacks are increasing to the peak now-a-days. Two kinds of attacks like brute force and dictionary attacks are well known for the password deduction. To identify and to minimize such attacks the automated touring test is being used. Although ATTs is secure enough to prevent from attacks it was very difficult for the user to pass through it every time. In order to avoid such crisis, a new protocol called PGRP (Password Guessing Resistant Protocol) has been introduced. It overcomes the impediment of the existing protocols such as Pinkas and Sander. Usage of PGRP limits the login attempts for the unknown user to thrice and to five times for the legitimate user. This system also introduces a new idea of getting SMS alerts about the attack and makes the system to be more secure after the limited number of attempts. The known and unknown systems are differentiated with The IP address. CAPTCHA image generation testing is also being used here. The automated programs like the above can make the password guessing the most difficult one. The security can be increased using multiple ATTs.