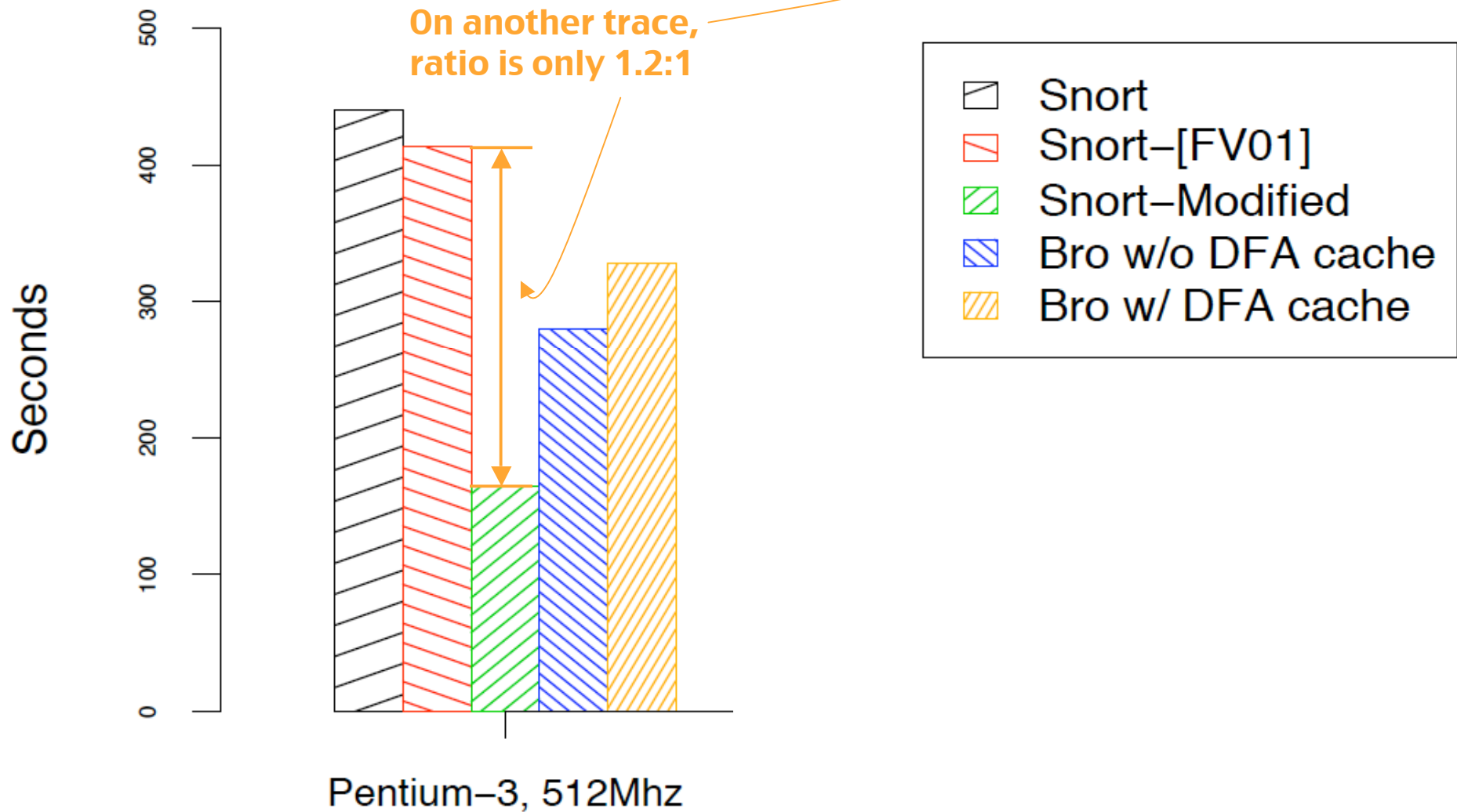


<i>feature name</i>	<i>description</i>	<i>type</i>
duration	length (number of seconds) of the connection	continuous
protocol_type	type of the protocol, e.g. tcp, udp, etc.	discrete
service	network service on the destination, e.g., http, telnet, etc.	discrete
src_bytes	number of data bytes from source to destination	continuous
dst_bytes	number of data bytes from destination to source	continuous
flag	normal or error status of the connection	discrete
land	1 if connection is from/to the same host/port; 0 otherwise	discrete
wrong_fragment	number of ``wrong" fragments	continuous
urgent	number of urgent packets	continuous

<i>feature name</i>	<i>description</i>	<i>type</i>
hot	number of ``hot" indicators	continuous
num_failed_logins	number of failed login attempts	continuous
logged_in	1 if successfully logged in; 0 otherwise	discrete
num_compromised	number of ``compromised" conditions	continuous
root_shell	1 if root shell is obtained; 0 otherwise	discrete
su_attempted	1 if ``su root" command attempted; 0 otherwise	discrete
num_root	number of ``root" accesses	continuous
num_file_creations	number of file creation operations	continuous
num_shells	number of shell prompts	continuous
num_access_files	number of operations on access control files	continuous
num_outbound_cmds	number of outbound commands in an ftp session	continuous
is_hot_login	1 if the login belongs to the ``hot" list; 0 otherwise	discrete
is_guest_login	1 if the login is a ``guest"login; 0 otherwise	discrete

Table 2: Content features within a connection suggested by domain knowledge.

# Run-times on Web trace



# Run-times on Web trace

